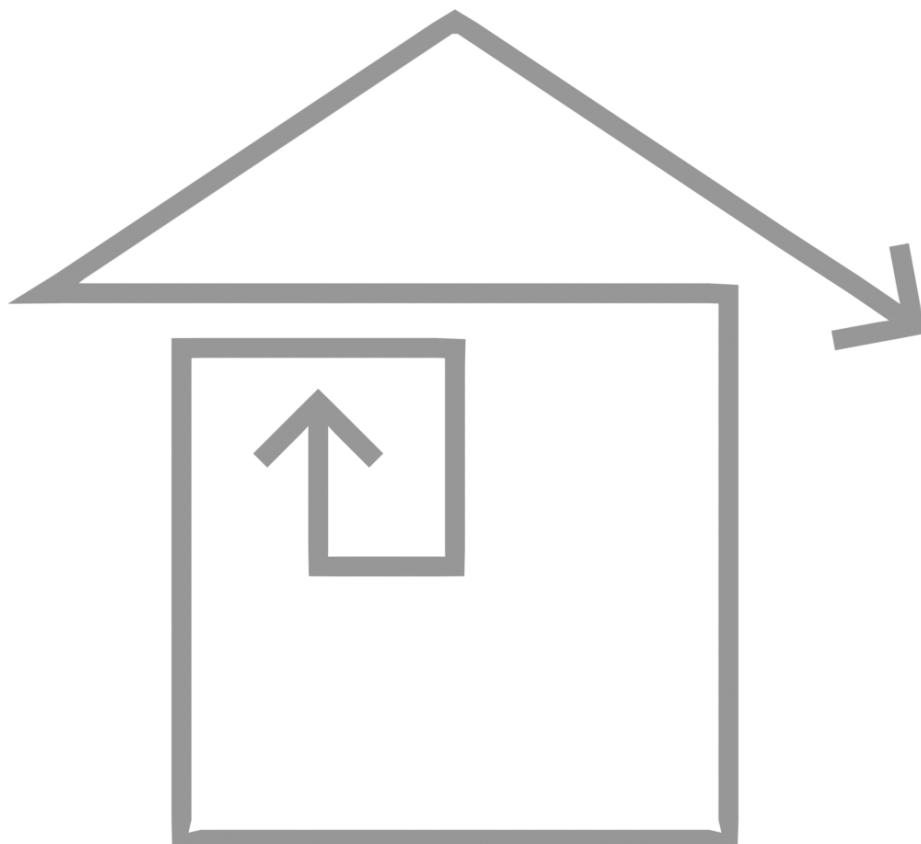


# EstateFlow

## An Estate Agency Management System



**Supervisor:** David Kelly

**Module:** Project – Year 2

**Group:** Adam Noonan C00299231

Amelia Hamulequicz C00296605

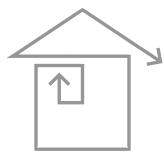
Darius Herdes C00296548

Mark Lambert C00192497



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# User Interface

## Add Screens

(Mark Lambert)

### Layout

A structured form displayed within a “main content area”, where the form is surrounded by the system’s menu (displayed at the left) and a top bar. The form is centred within the main content area

### Alignment

The main heading “Add a New ....” is centre aligned. The form is split using field-sets where relevant, with any labels and input fields aligned vertically. So, Property details and any abstract details about a category of property are neatly divided

### Background

The menu system uses a grey background, the top bar uses a white background while the main content area uses a standard grey background.

### Borders

Field-sets have a green border, while input fields have a border with a rounded radius. The form has no border, but a dropped shadow to create a 3D effect.

### Logo

The logo appears at the top of the sidebar, centred. On hover, the logo changes image, providing a dynamically changing logo enhancing user experience

### Font Properties

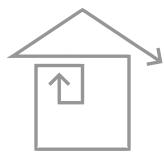
The font used is Arial, font size is changed depending on use case. Text appears black in the main content area and white in areas where the background is green.

The main heading appears in a green background with white text.

### HTML Components

Buttons are green with white text and a rounded border. On hover, the background of the buttons changes to a slightly darker colour. The form buttons are centred at the bottom of the form.

Labels are used to decorate input boxes with useful information for the user. A dropdown list-box is used to select a property owner, populated from the database.



## Delete Screens

(Amelia Hamulewicz)

### Layout

A form centred within a “main content area”, which is surrounded by a menu system to the left and a top bar displaying the application name.

### Alignment

The main heading “Delete a ....” is centre aligned. The form is split using field sets where relevant, with any labels and input fields aligned vertically.

### Background

The menu system uses a grey background, the top bar uses a white background while the main content area uses a standard grey background.

### Borders

Field sets have a green border, while input fields have a border with a rounded radius. The form has no border, but a dropped shadow to create a 3D effect, which is rounded.

### Font Properties

The font used is Arial, font size is changed depending on use case. Text appears black in the main content area and white in areas where the background is green.

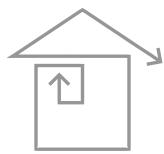
The main heading appears in a green background with white text, and reflects the page which the user has clicked on.

### HTML Components

Buttons are green with white text and a rounded border. On hover, the background of the buttons changes to a slightly darker colour. The form buttons are centred at the bottom of the form.

Labels are used to decorate input boxes with useful information for the user. A dropdown list-box is used to select a property, populated from the database.

A pop is displayed to prompt the user for a confirmation upon clicking delete.



## Amend/View Screens

(Adam Noonan)

### Layout

A form centred within a “main content area”, which is surrounded by a menu system to the left and a top bar displaying the application name.

### Alignment

The main heading “Amend/View a ....” is centre aligned. The form is split using field sets where relevant, with any labels and input fields aligned vertically.

### Background

The menu system uses a grey background, the top bar uses a white background while the main content area uses a standard grey background.

### Borders

Field sets have a green border, while input fields have a border with a rounded radius. The form has no border, but a dropped shadow to create a 3D effect, which is rounded.

### Font Properties

The font used is Arial, font size is changed depending on use case. Text appears black in the main content area and white in areas where the background is green.

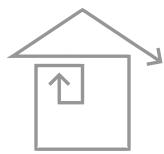
The main heading appears in a green background with white text and reflects the page which the user has clicked on.

### HTML Components

Buttons are green with white text and a rounded border. On hover, the background of the buttons changes to a slightly darker colour. The form buttons are centred at the bottom of the form.

Labels are used to decorate input boxes with useful information for the user. A dropdown list-box is used to select a property, populated from the database. Fields are initially locked and are unlocked by clicking the “Amend” button located above the form.

A pop is displayed to prompt the user for a confirmation upon clicking delete.



## Report Screens

### Layout

A report centred within a “main content area”, which is surrounded by a menu system to the left and a top bar displaying the application name.

### Alignment

The main heading ...Reports” is centre aligned. The report is centred for clear readability.

### Background

The menu system uses a grey background, the top bar uses a white background while the main content area uses a standard grey background.

### Borders

Borders for buttons are rounded, while borders for background purposes are straight.

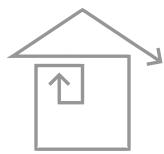
### Font Properties

The font used is Arial, font size is changed depending on use case. Text appears black in the main content area and white in areas where the background is green.

The main heading appears in a green background with white text and reflects the page which the user has clicked on.

### HTML Components

Buttons are green with white text and a rounded border. On hover, the background of the buttons changes to a slightly darker colour. The form buttons are centred at the bottom of the form.



## Menus

(Amelia Hamulewicz, Adam Noonan, Mark Lambert)

### Layout

The menu system is implemented using a sidebar. The logo is displayed large, centred at the top of the menu.

### Alignment

The side bar is 250px wide, spans the entire height of the window and begins at the very top left of the screen. The top bar is fixed to the top of the screen.

### Background

The menu system uses a grey background, the top bar uses a white background

### Borders

Buttons have rounded borders, while the borders for the menu system remain unrounded.

### Font Properties

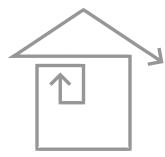
The font used is Arial, font size is changed depending on use case. Text appears green, and where a button is selected, the text changes to white on a green background.

“EstateFlow” appears as a heading in green at the top of the page in the top bar.

### HTML Components

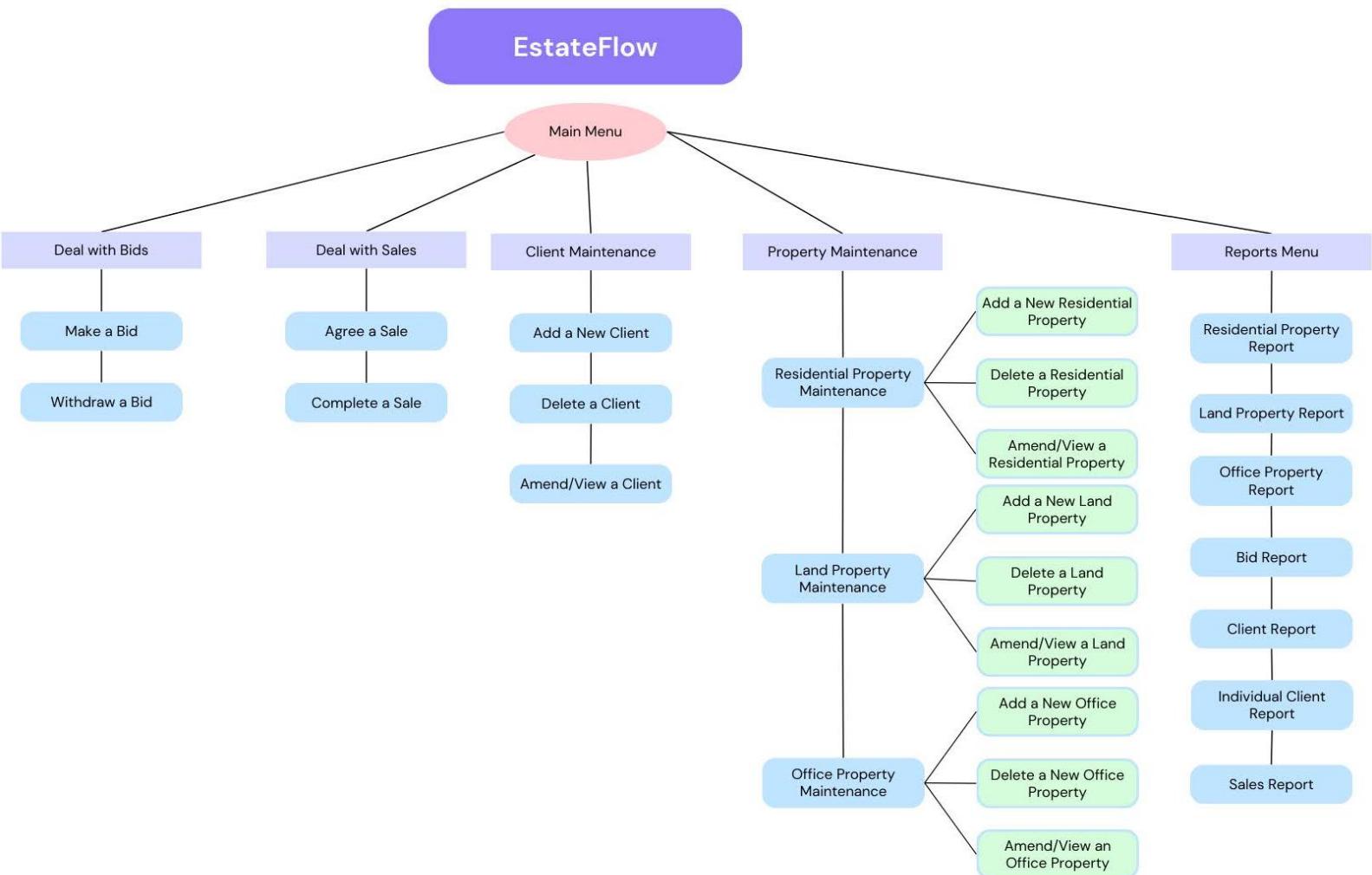
Buttons are white with green text and altered using the .selected class to appear white, or when hovered over.

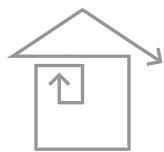
The Exit button is pushed down with a <br> tag for workflow priority, preventing the user from accidentally clicking on the button and losing progress



# System Layout

(Mark Lambert)





# Database Tables

## Bid Table

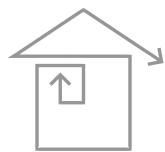
(Adam Noonan)

### Bid Table – Structure

| # | Name        | Type          | Collation | Attributes | Null | Default             | Comments | Extra          |
|---|-------------|---------------|-----------|------------|------|---------------------|----------|----------------|
| 1 | bid_id      | int(11)       |           |            | No   | None                |          | AUTO_INCREMENT |
| 2 | date        | date          |           |            | No   | None                |          |                |
| 3 | time        | time          |           |            | No   | current_timestamp() |          |                |
| 4 | amount      | decimal(10,0) |           |            | No   | None                |          |                |
| 5 | client_id   | int(11)       |           |            | No   | None                |          |                |
| 6 | property_id | int(11)       |           |            | No   | None                |          |                |
| 7 | delete_flag | tinyint(1)    |           |            | No   | None                |          |                |

### Bid Table – Populated

|  | <input type="button" value="←"/> <input type="button" value="→"/> | <input type="button" value="T"/> | <input type="button" value="bid_id"/> | <input type="button" value="date"/> | <input type="button" value="time"/> | <input type="button" value="amount"/> | <input type="button" value="client_id"/> | <input type="button" value="property_id"/> | <input type="button" value="delete_flag"/> |
|--|---|----------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------|--|--|--|
|  |   |                                  | 3                                     | 2025-02-13                          | 00:00:00                            | 65                                    | 1  | 1  | 0  |
|  |   |                                  | 4                                     | 2025-02-09                          | 00:00:00                            | 45                                    | 1  | 1  | 0  |
|  |   |                                  | 5                                     | 2025-03-10                          | 00:00:00                            | 100000                                | 1  | 65   | 0  |
|  |   |                                  | 7                                     | 2025-03-10                          | 00:00:00                            | 100002                                | 1  | 64   | 0  |
|  |   |                                  | 8                                     | 2025-03-10                          | 00:00:00                            | 10000004                              | 1  | 64   | 0  |
|  |   |                                  | 9                                     | 2025-03-10                          | 00:00:00                            | 1000005                               | 1  | 64   | 0  |
|  |   |                                  | 10                                    | 2025-03-10                          | 00:00:00                            | 1000006                               | 1  | 64   | 0  |
|  |   |                                  | 11                                    | 2025-03-10                          | 00:00:00                            | 1000004                               | 1  | 64   | 0  |
|  |   |                                  | 12                                    | 2025-03-13                          | 00:00:00                            | 100000                                | 12                                       | 73   | 1  |
|  |   |                                  | 13                                    | 2025-03-14                          | 00:00:00                            | 1000000                               | 12                                       | 73   | 1  |
|  |   |                                  | 14                                    | 2025-03-14                          | 00:00:00                            | 100                                   | 12                                       | 73   | 1  |
|  |   |                                  | 16                                    | 2025-03-18                          | 00:00:00                            | 40000                                 | 7  | 77   | 0  |
|  |   |                                  | 17                                    | 2025-03-18                          | 00:00:00                            | 5000000                               | 7  | 77   | 0  |
|  |   |                                  | 18                                    | 2025-03-18                          | 00:00:00                            | 60                                    | 7  | 76   | 0  |
|  |   |                                  | 19                                    | 2025-03-18                          | 00:00:00                            | 2000000                               | 7  | 77   | 0  |
|  |   |                                  | 22                                    | 2025-03-18                          | 00:00:00                            | 200000                                | 7  | 77   | 0  |
|  |   |                                  | 23                                    | 2025-03-19                          | 00:00:00                            | 600000000                             | 7  | 74   | 1  |
|  |   |                                  | 25                                    | 2025-03-19                          | 00:00:00                            | 8800000                               | 1  | 73   | 1  |



## Client Table

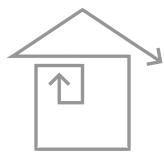
(Adam Noonan)

### Client Table - Structure

| # | Name        | Type        | Collation       | Attributes | Null | Default | Comments | Extra          |
|---|-------------|-------------|-----------------|------------|------|---------|----------|----------------|
| 1 | client_id   | int(11)     |                 |            | No   | None    |          | AUTO_INCREMENT |
| 2 | name        | varchar(45) | utf8_general_ci |            | No   | None    |          |                |
| 3 | address     | varchar(45) | utf8_general_ci |            | No   | None    |          |                |
| 4 | eircode     | varchar(45) | utf8_general_ci |            | No   | None    |          |                |
| 5 | phone_no    | varchar(45) | utf8_general_ci |            | No   | None    |          |                |
| 6 | email       | varchar(45) | utf8_general_ci |            | No   | None    |          |                |
| 7 | buyer       | tinyint(1)  |                 |            | No   | None    |          |                |
| 8 | seller      | tinyint(1)  |                 |            | No   | None    |          |                |
| 9 | delete_flag | tinyint(1)  |                 |            | No   | None    |          |                |

### Client Table – Populated

|                          |  | client_id | name         | address              | eircode  | phone_no     | email              | buyer | seller | delete_flag |
|--------------------------|--|-----------|--------------|----------------------|----------|--------------|--------------------|-------|--------|-------------|
| <input type="checkbox"/> |  | 1         | Donal whelan | normal address       | R45 51E3 | 087 417 6757 | wheelieD@gmail.com | 0     | 1      | 0           |
| <input type="checkbox"/> |  | 7         | jimmy mcgill | Jimmys House, ABQ NM | BR4 ABC5 | 056 678 3369 | jmm@mail.net       | 1     | 1      | 0           |
| <input type="checkbox"/> |  | 12        | Amelia       | 11 willows           | R93WR00  | 0111111111   | c00296605@setu.ie  | 0     | 1      | 0           |



## Office Table

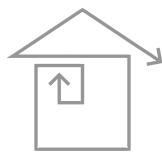
(Amelia Hamulewicz)

### Office Table - Structure

| #  | Name             | Type         | Collation       | Attributes | Null | Default | Comments | Extra          |
|----|------------------|--------------|-----------------|------------|------|---------|----------|----------------|
| 1  | office_id        | int(11)      |                 |            | No   | None    |          | AUTO_INCREMENT |
| 2  | property_id      | int(11)      |                 |            | No   | None    |          |                |
| 3  | floor            | int(11)      |                 |            | No   | None    |          |                |
| 4  | area             | float        |                 |            | No   | None    |          |                |
| 5  | layout           | varchar(255) | utf8_general_ci |            | No   | None    |          |                |
| 6  | internet         | varchar(50)  | utf8_general_ci |            | No   | None    |          |                |
| 7  | access           | varchar(255) | utf8_general_ci |            | No   | None    |          |                |
| 8  | telephone_system | varchar(255) | utf8_general_ci |            | No   | None    |          |                |
| 9  | reception        | varchar(255) | utf8_general_ci |            | No   | None    |          |                |
| 10 | security         | varchar(255) | utf8_general_ci |            | No   | None    |          |                |
| 11 | canteen          | varchar(255) | utf8_general_ci |            | No   | None    |          |                |
| 12 | ownership        | varchar(50)  | utf8_general_ci |            | No   | None    |          |                |
| 13 | delete_flag      | tinyint(4)   |                 |            | No   | 0       |          |                |

### Client Table – Populated

|                          |  | office_id | property_id | floor | area | layout                         | telephone_system | access              | reception | security  | canteen                   | internet      | ownership         | delete_flag |
|--------------------------|--|-----------|-------------|-------|------|--------------------------------|------------------|---------------------|-----------|-----------|---------------------------|---------------|-------------------|-------------|
| <input type="checkbox"/> |  | 22        | 73          | 3     | 2000 | large open space area          | none             | none                | none      | none      | large open access canteen | none          | long lease        | 1           |
| <input type="checkbox"/> |  | 23        | 74          | 3     | 400  | large canteen                  | none             | elevators           | none      | Netwatch  | open access               | wireless      | freehold          | 1           |
| <input type="checkbox"/> |  | 25        | 76          | 2     | 455  | large open area                | ramps            | wired               | none      | none      | patrols                   | 6 big rooms   | large open access | 0           |
| <input type="checkbox"/> |  | 26        | 77          | 5     | 700  | large open area                | elevators        | none                | none      | none      | netwatch                  | 2 small rooms | large open access | 0           |
| <input type="checkbox"/> |  | 42        | 93          | 6     | 777  | large                          | none             | ramps and elevators | none      | none      | none                      | none          | long lease        | 0           |
| <input type="checkbox"/> |  | 43        | 94          | 2     | 445  | large open area, 2 small rooms | none             | elevators/ramps     | none      | net watch | small canteen             | wireless      | freehold          | 0           |
| <input type="checkbox"/> |  | 44        | 95          | 7     | 255  | large open area, 5 big rooms   | none             | ramps and elevators | none      | netwatch  | large                     | none          | freehold          | 0           |



# Property Table

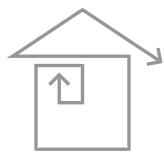
(Amelia Hamulewicz)

## Property Table - Structure

| #  | Name            | Type          | Collation       | Attributes | Null | Default             | Comments | Extra          |
|----|-----------------|---------------|-----------------|------------|------|---------------------|----------|----------------|
| 1  | property_id     | int(11)       |                 |            | No   | None                |          | AUTO_INCREMENT |
| 2  | type            | varchar(20)   | utf8_general_ci |            | No   | None                |          |                |
| 3  | address         | text          | utf8_general_ci |            | No   | None                |          |                |
| 4  | eircode         | varchar(8)    | utf8_general_ci |            | No   | None                |          |                |
| 5  | location        | varchar(255)  | utf8_general_ci |            | No   | None                |          |                |
| 6  | status          | tinyint(1)    |                 |            | No   | None                |          |                |
| 7  | completion_date | date          |                 |            | No   | current_timestamp() |          |                |
| 8  | owner           | int(11)       |                 |            | No   | None                |          |                |
| 9  | highest_bid     | decimal(10,2) |                 |            | No   | None                |          |                |
| 10 | asking_price    | decimal(10,2) |                 |            | No   | None                |          |                |
| 11 | viewing_times   | text          | utf8_general_ci |            | No   | None                |          |                |
| 12 | date_listed     | timestamp     |                 |            | No   | current_timestamp() |          |                |
| 13 | delete_flag     | tinyint(4)    |                 |            | No   | 0                   |          |                |

## Property Table - Populated

| property_id | type   | address                                    | eircode  | location  | status | completion_date | owner | highest_bid | asking_price | viewing_times | date_listed         | delete_flag |
|-------------|--------|--|----------|-----------|--------|-----------------|-------|-------------|--------------|---------------|---------------------|-------------|
| 1           | Land   | Carlow St, Carlow                          | Y21T341  | Carlow    | 1      | 2025-03-20      | 1     | 56000.00    | 67000.00     | 12:00 - 12:00 | 2025-02-02 00:00:00 | 0           |
| 10          | Land   | Greenway Ave, Galway                       | H91 567  | Galway    | 2      | 2025-03-20      | 7     | 96000.00    | 80000.00     | 12:00 - 18:00 | 2025-02-15 00:00:00 | 0           |
| 12          | Land   | Seaside Road, Cork                         | T12 346  | Cork      | 0      | 2025-03-20      | 1     | 0.00        | 200000.00    | 9:00 - 15:00  | 2025-02-01 00:00:00 | 0           |
| 35          | Land   | Greenhill Farm Ballyragget County Kilkenny | R95 X742 | Kilkenny  | 0      | 2025-03-20      | 7     | 0.00        | 650000.00    | 14:00 - 17:00 | 2025-02-15 00:00:00 | 0           |
| 38          | Land   | The Ridge Enniscorthy Wexford              | A65B452  | Wexford   | 0      | 2025-03-20      | 7     | 45000.00    | 320007.00    | 12:00 - 18:05 | 2025-02-05 00:00:00 | 0           |
| 39          | Land   | Clonard Rd Mayo                            | R76H987  | Mayo      | 0      | 2025-03-20      | 1     | 600000.00   | 890111.00    | 18:00 - 22:00 | 2025-02-27 00:00:00 | 1           |
| 58          | Land   | Kilkenny                                   | R78H938  | Kilkenny  | 0      | 2025-03-20      | 1     | 0.00        | 100000.00    | 17:00 - 12:00 | 2025-03-03 11:18:46 | 0           |
| 62          | Land   | Kilkenny                                   | R78H938  | Kilkenny  | 0      | 2025-03-20      | 7     | 46000.00    | 1.00         | 10:00 - 17:00 | 2025-03-03 11:30:21 | 0           |
| 64          | Land   | Main St Mayo                               | R78H938  | Mayo      | 0      | 2025-03-20      | 1     | 10000004.00 | 250000.00    | 10:00 - 17:00 | 2025-03-03 18:21:43 | 0           |
| 65          | Land   | Main St Roscommon                          | L98 H562 | Roscommon | 1      | 2025-03-20      | 7     | 100000.00   | 5600000.00   | 12:00 - 17:00 | 2025-03-06 14:43:21 | 0           |
| 73          | Office | 12 Kilkenny road                           | R93 S999 | Kilkenny  | 2      | 2025-03-20      | 1     | 8800000.00  | 100000.00    | 10:00 - 19:00 | 2025-03-17 12:01:32 | 1           |
| 74          | Office | 116 Dublin road, willows street, Ballon    | W99 89A9 | Carlow    | 1      | 2025-03-20      | 7     | 99999999.99 | 200000.00    | 10:00 - 20:00 | 2025-03-05 12:01:20 | 1           |
| 76          | Office | 15 yellow street                           | R99TO60  | Cork      | 1      | 2025-03-20      | 7     | 50000.00    | 180000.00    | 8:00 - 13:00  | 2025-03-16 12:01:07 | 0           |
| 77          | Office | 114 green road                             | W89 TKC6 | Kilkenny  | 0      | 2025-03-20      | 7     | 57.00       | 22000.00     | 10:00 - 19:00 | 2025-03-05 12:00:57 | 0           |
| 93          | Office | 66 lower dublin street                     | r89 9999 | kilkenny  | 0      | 2025-03-20      | 1     | 889.00      | 100.00       | 11 - 9        | 2025-03-01 12:00:45 | 0           |
| 94          | Office | 99 brownhill road                          | R97PK99  | Kilkenny  | 0      | 2025-03-20      | 12    | 88.00       | 100000.00    | 10:00 - 19:00 | 2025-03-12 12:00:34 | 0           |
| 95          | Office | 77 blue road                               | W56 777N | Wexford   | 2      | 2025-03-20      | 7     | 57.00       | 10000.00     | 09:00 - 15:00 | 2025-03-19 11:54:44 | 0           |
| 96          | Land   | 10 Brammal Lane Sligo                      | R12 345  | Sligo     | 0      | 2025-03-20      | 7     | 0.00        | 50000000.00  | 12:00 - 18:00 | 2025-03-19 20:58:51 | 0           |



## Land Table

(Mark Lambert)

### Land Table – Structure

| # | Name              | Type          | Collation       | Attributes | Null | Default | Comments | Extra          |
|---|-------------------|---------------|-----------------|------------|------|---------|----------|----------------|
| 1 | land_id           | int(11)       |                 |            | No   | None    |          | AUTO_INCREMENT |
| 2 | property_id       | int(11)       |                 |            | No   | None    |          |                |
| 3 | acres             | decimal(10,2) |                 |            | No   | None    |          |                |
| 4 | buildings         | text          | utf8_general_ci |            | No   | None    |          |                |
| 5 | residence_details | varchar(150)  | utf8_general_ci |            | No   | None    |          |                |
| 6 | quotas            | decimal(5,2)  |                 |            | No   | None    |          |                |
| 7 | notes             | text          | utf8_general_ci |            | No   | None    |          |                |
| 8 | delete_flag       | tinyint(4)    |                 |            | No   | 0       |          |                |

### Land Table - Populated

|  | land_id | property_id | acres    | buildings                                 | residence_details                                      | quotas | notes  | delete_flag |
|--|---------|-------------|----------|---|--|--------|--|-------------|
|  | 1       | 1           | 2500.00  | Two large buildings                       | 4 bedroom period residence in need of repair           | 50.00  | Exceptional condition, beautiful view                  | 0           |
|  | 17      | 10          | 4500.00  | Three storage units, one small workshop   | No residence, commercial use only                      | 30.00  | Ideal for industrial use, close to main road access... | 0           |
|  | 19      | 12          | 3500.00  | Small cabin by the beach                  | 2-bedroom coastal cottage with private beach access... | 100.00 | Excellent for development, prime location - future...  | 0           |
|  | 39      | 35          | 1800.00  | One barn, two cattle sheds                | 3-bedroom farmhouse with modern kitchen extension      | 42.00  | Prime agricultural land with excellent road access...  | 0           |
|  | 42      | 38          | 1199.00  | One stone cottage, small barn             | 2-bedroom vernacular cottage                           | 134.00 | Excellent location for a small holding or weekend...   | 0           |
|  | 43      | 39          | 5000.00  | Small tool shed and barn                  | N/A  | 100.00 | N/A  | 1           |
|  | 47      | 58          | 1200.00  | N/A                                       | N/A  | 120.00 | N/A  | 0           |
|  | 50      | 62          | 1.00     | 1   | 1  | 1.00   | 1  | 0           |
|  | 51      | 64          | 55000.00 | Small vernacular cottage and large barn   | Vernacular cottage                                     | 999.00 | N/A  | 0           |
|  | 54      | 96          | 567.00   | One large building suitable for an office | Quaint family home                                     | 999.99 | Land is situated on a slight incline                   | 0           |



## Staff Table

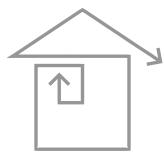
(Mark Lambert)

### Staff Table - Structure

| # | Name        | Type        | Collation       | Attributes | Null | Default | Comments | Extra          |
|---|-------------|-------------|-----------------|------------|------|---------|----------|----------------|
| 1 | staff_id    | int(11)     |                 |            | No   | None    |          | AUTO_INCREMENT |
| 2 | name        | varchar(45) | utf8_general_ci |            | No   | None    |          |                |
| 3 | address     | varchar(45) | utf8_general_ci |            | No   | None    |          |                |
| 4 | eircode     | varchar(8)  | utf8_general_ci |            | No   | None    |          |                |
| 5 | phone_no    | varchar(20) | utf8_general_ci |            | No   | None    |          |                |
| 6 | delete_flag | tinyint(1)  |                 |            | No   | 0       |          |                |

### Staff Table - Populated

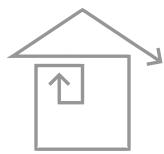
|  |   | staff_id | name            | address                    | eircode  | phone_no     | delete_flag |
|--|---|----------|-----------------|----------------------------|----------|--------------|-------------|
|  | <a href="#"></a> Edit <a href="#"></a> Copy <a href="#"></a> Delete | 1        | John O'Connor   | 123 Main Street, Dublin 2  | D02 X912 | 087 123 4567 | 0           |
|  | <a href="#"></a> Edit <a href="#"></a> Copy <a href="#"></a> Delete | 2        | Mary Murphy     | 45 Oakwood Road, Cork      | T12 A987 | 086 234 5678 | 0           |
|  | <a href="#"></a> Edit <a href="#"></a> Copy <a href="#"></a> Delete | 3        | Kevin O'Neill   | 67 Elm Park, Galway        | H91 N215 | 085 345 6789 | 0           |
|  | <a href="#"></a> Edit <a href="#"></a> Copy <a href="#"></a> Delete | 4        | Paul Byrne      | 11 Castle Avenue, Kilkenny | R95 A490 | 089 567 8901 | 0           |
|  | <a href="#"></a> Edit <a href="#"></a> Copy <a href="#"></a> Delete | 5        | Cassy Gallagher | 89 Green Street, Limerick  | V94 C356 | 089 456 7890 | 0           |



## Group Work

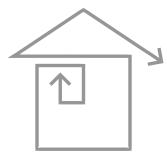
### Main Menu HTML

```
1 <!-- Estate Flow - Estate Agency Management System Menu page -->
2 <!DOCTYPE html>
3 <html lang="en">
4 <head>
5     <!-- Sets title -->
6     <title>EstateFlow - Welcome</title>
7     <meta charset="UTF-8">
8     <link rel="stylesheet" href="menu.css">
9     <link rel="icon" type="image/x-icon" href="images/icon.png">
10 </head>
11 <body>
12
13     <!-- Fixed Top Bar displaying the page title -->
14     <div class="topBar">
15         EstateFlow
16     </div>
17
18     <!-- Sidebar Navigation Menu -->
19     <div class="sidebar">
20         <!-- Logo Section inside Sidebar -->
21         <div class="logo">
22             <a href ="menu.html"></a>
23         </div>
24         <!-- Navigation Links -->
25         <a class ="button" href="deal_with_bids.html">Deal with Bids</a>
26         <a class ="button" href="deal_with_sales.html">Deal with Sales</a>
27         <a class ="button" href="client_maintenance.html">Client Maintenance</a>
28         <a class ="button" href="property_maintenance.html">Property Maintenance</a>
29         <a class ="button" href="reports.html">Reports Menu</a>
30     </div>
31
32     <!-- Main Content Area -->
33     <div class="content">
34         <h2>Welcome To EstateFlow</h2>
35     </div>
36
37 </body>
38 </html>
```

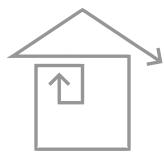


## Main Menu CSS

```
1  /* -----
2   Global Styles - Estate Flow
3   ----- */
4  html, body {
5      font-family: Arial, sans-serif; /* Define font style */
6      background-color: #fdfefe; /* Set background color- pale GREY */
7      color: #2e201c; /* Set text color- BLACK */
8  }
9
10 /* -----
11  Top Bar Styles
12  ----- */
13 .topBar {
14     position: fixed; /* Fix position at the top */
15     top: 0; /* Align to top */
16     left: 0; /* Align to left */
17     height: 50px; /* Top bar is set to 50px tall */
18     background-color: #ffffff; /* Set background color- WHITE */
19     color: #05c98b; /* Set text color- GREEN */
20     font-size: 30px; /* Set font size */
21     font-weight: bold; /* Make text bold */
22     margin-left: 250px; /* Moves the content within the topBar to the spot where the
23 sidebar ends (sideBar = 250px wide)*/
24     width: 100%; /* Sets width to 100% of the screen*/
25     padding: 10px 20px; /* Add padding */
26     box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2); /* Add shadow effect- BLACK */
27 }
28
29 /* -----
30  Sidebar Styles
31  ----- */
32 .sidebar {
33     height: 100%; /* Full viewport height */
34     width: 250px; /* Define width */
35     position: fixed; /* Fix position */
36     left: 0; /* Align to left */
37     top: 0; /* Align to top */
38     background-color: #cdd8d4; /* Set background color- GREY */
39     padding-top: 10px; /* Add padding at top */
40     box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2); /* Add shadow effect- BLACK */
41 }
42
43 /* -----
44  Sidebar Navigation Button Styles
45  ----- */
46 /* Targets all .sidebar elements that use the <a> tag */
47 .sidebar a.button{
48     width: 90%; /* Set width of links */
49     padding: 12px; /* Add padding */
50     text-decoration: none; /* Remove underline */
51     color: #05c98b; /* Set text color- GREEN */
52     text-align: center; /* Center align text */
53     margin: 10px 0; /* 5px space between and 0 ensures its locked to the margin (very
54 left of sidebar) */
55     background-color: #ffffff; /* Set background color- WHITE */
56     border-radius: 5px; /* Round corners */
57     box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2); /* Add shadow effect- BLACK */
58     display: block; /* Display as block element */
59 }
60
61 /* Targets the currently selected button so user knows what page they are on */
62 .sidebar a.button.selected{
63     background-color:#05c98b;
64     color:#ffffff;
65 }
66
67 /*-----
68  Alters the buttons when hovered over
69  -----*/
70 .sidebar a:hover {
71     background-color: #05c98b; /* Change background on hover- GREEN */
72     color: #ffffff; /* Change text color on hover- WHITE */
73 }
```



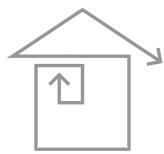
```
72      /* -----
73       Style
74       ----- */
75   .logo img {
76     width: 180px; /* Set logo size */
77     margin: 10px 30px 20px; /* Add margin */
78     border-radius: 5px; /* Round corners */
79   }
80
81 }
82
83 .logo img:hover {
84   content: url('images/logo_invert.png'); /* Change logo on hover */
85 }
86
87 /* -----
88   Main Content Styles
89   ----- */
90 .content {
91   margin-left: 250px; /* Move the margin in 250px, as the sidebar takes up 250px*/
92   margin-top: 50px; /* Move down 50px as the topbar takes up 50Px*/
93   padding: 20px; /* Add padding */
94   width: 80%;
95 }
96
97 }
```



# Adam Noonan

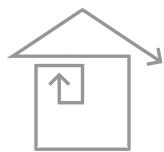
## Deal with Bids Menu HTML

```
1  <!-- Estate Flow - Deal with Bids page -->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <!-- Sets title -->
6      <title>EstateFlow - Deal with Bids</title>
7      <meta charset="UTF-8">
8      <link rel="stylesheet" href="menu.css">
9      <link rel="icon" type="image/x-icon" href="images/icon.png">
10
11 </head>
12 <body>
13
14     <!-- Fixed Top Bar displaying the page title -->
15     <div class="topBar">EstateFlow</div>
16
17     <!-- Sidebar Navigation Menu -->
18     <div class="sidebar">
19         <!-- Logo Section inside Sidebar -->
20         <div class="logo">
21             <a href ="menu.html"></a>
22         </div>
23         <!-- Navigation Links -->
24         <a class ="button" href="Adam/makeBid/makeBid.html.php">Make a Bid</a>
25         <a class ="button" href="construction/withdraw_bid.html">Withdraw a Bid</a>
26         <a class ="button" id="exit" href="menu.html">Return to Menu</a>
27     </div>
28
29     <!-- Main Content Area -->
30     <div class="content">
31         <h2>Deal with Bids</h2>
32     </div>
33
34 </body>
35 </html>
```



## Client Maintenance Menu HTML

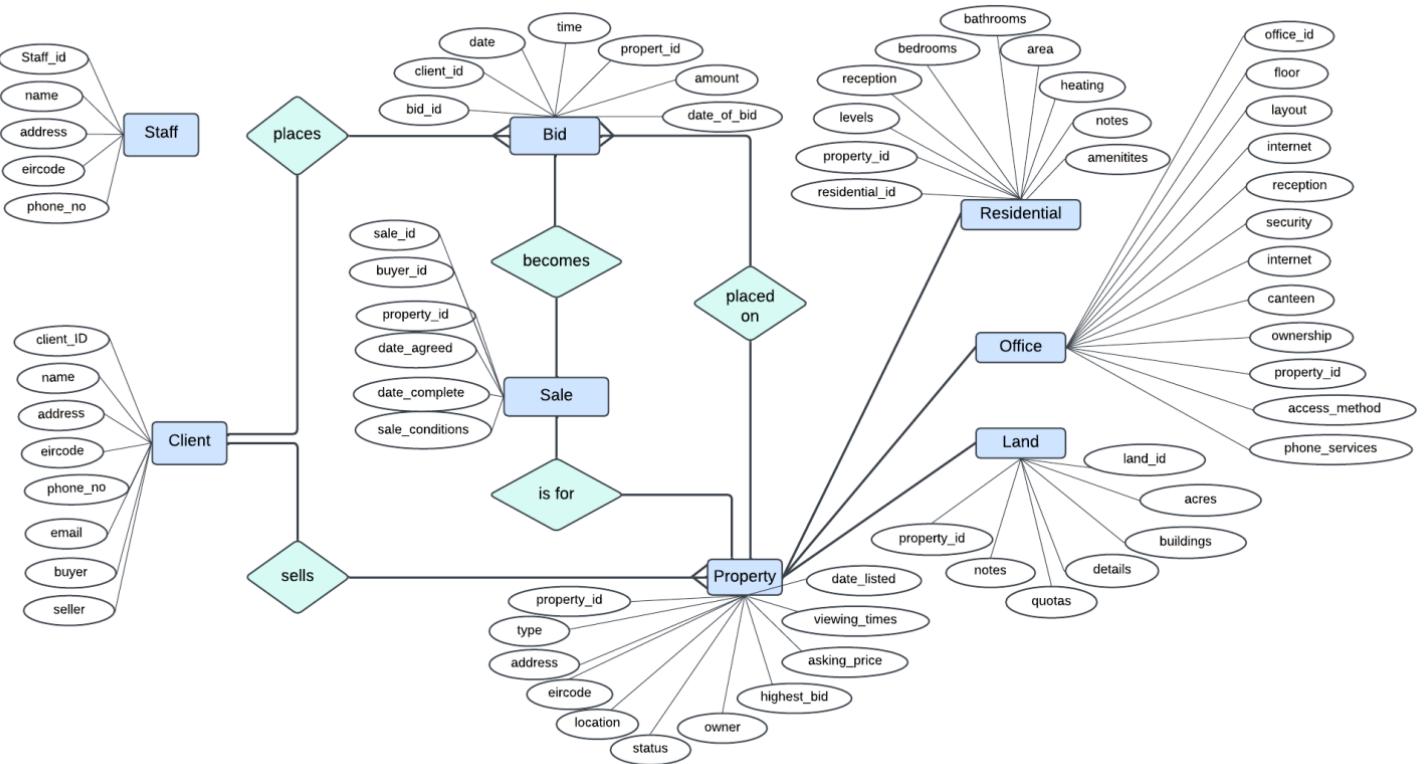
```
1  <!-- Estate Flow - Client Maintenance Page -->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <!-- Sets title -->
6      <title>EstateFlow - Client Maintenance</title>
7      <meta charset="UTF-8">
8      <link rel="stylesheet" href="menu.css">
9      <link rel="icon" type="image/x-icon" href="images/icon.png">
10
11 </head>
12 <body>
13
14     <!-- Fixed Top Bar displaying the page title -->
15     <div class="topBar">EstateFlow</div>
16
17     <!-- Sidebar Navigation Menu -->
18     <div class="sidebar">
19         <!-- Logo Section inside Sidebar -->
20         <div class="logo">
21             <a href ="menu.html"></a>
22         </div>
23         <!-- Navigation Links -->
24         <a class ="button" href="Adam/addClient/addClient.html.php">Add a New Client
25         </a>
26         <a class ="button" href="Adam/deleteClient/deleteClient.html.php">Delete a
27         Client</a>
28         <a class ="button" href="Adam/amendViewClient/amendViewClient.html.php">
29             Amend/View a Client</a>
30         <a class ="button" id="exit" href="menu.html">Return to Menu</a>
31     </div>
32
33     <!-- Main Content Area -->
34     <div class="content">
35         <h2>Client Maintenance</h2>
36     </div>
37
38 </body>
39 </html>
```



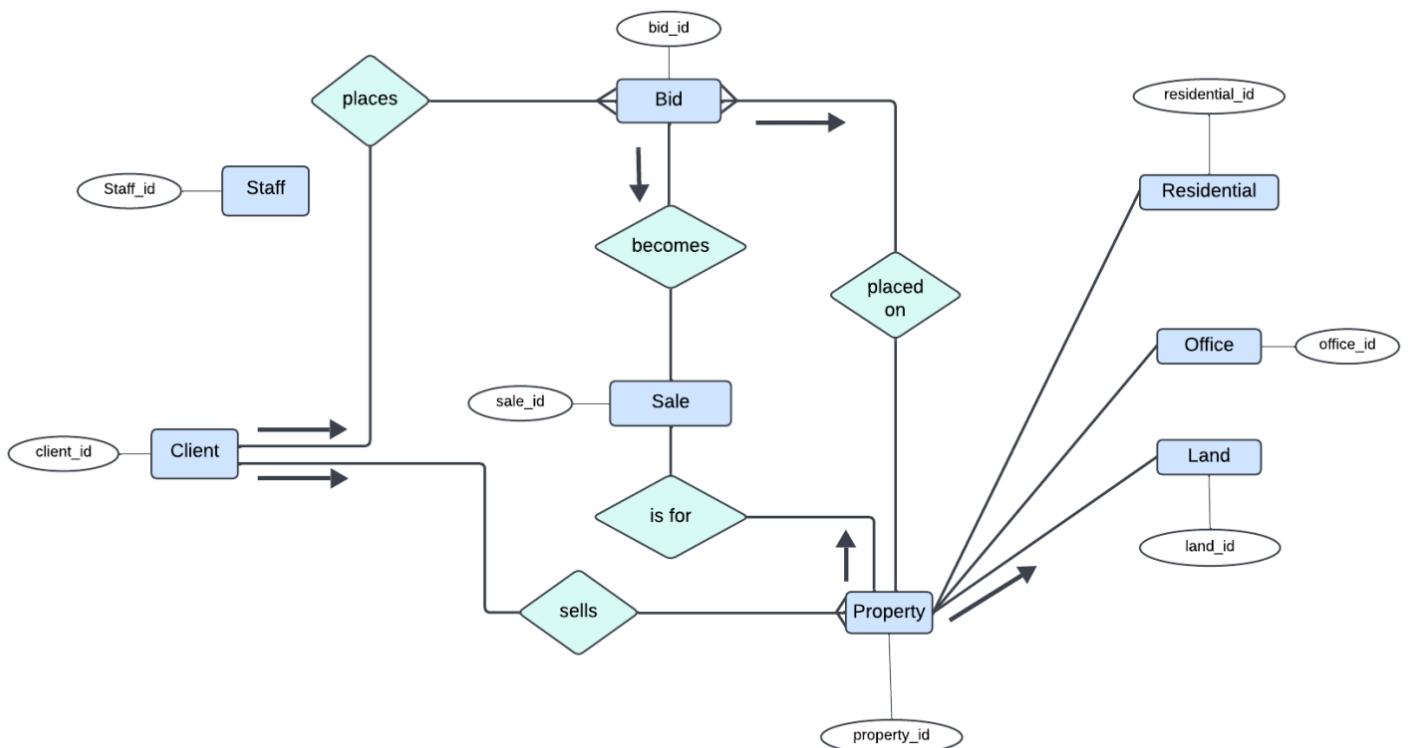
# Amelia Hamulewicz

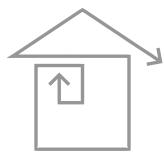
## ER Diagram

### Level 1



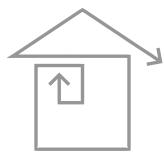
### Level 2





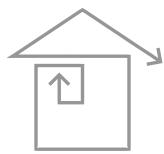
## Deal with Sales Menu HTML

```
1  <!-- Estate Flow - Deal with Sales page -->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <!-- Sets title -->
6      <title>EstateFlow - Deal with Sales</title>
7      <meta charset="UTF-8">
8      <link rel="stylesheet" href="menu.css">
9      <link rel="icon" type="image/x-icon" href="images/icon.png">
10 </head>
11 <body>
12
13     <!-- Fixed Top Bar displaying the page title -->
14     <div class="topBar">EstateFlow</div>
15
16     <!-- Sidebar Navigation Menu -->
17     <div class="sidebar">
18         <!-- Logo Section inside Sidebar -->
19         <div class="logo">
20             <a href ="menu.html"></a>
21         </div>
22         <!-- Navigation Links -->
23         <a class ="button" href="construction/agree_sale.html">Agree a Sale</a>
24         <a class ="button" href="Amelia/complete_sale.html.php">Complete a Sale</a>
25         <a class ="button" id="exit" href="menu.html">Return to Menu</a>
26     </div>
27
28     <!-- Main Content Area -->
29     <div class="content">
30         <h2>Deal with Sales</h2>
31     </div>
32
33 </body>
34 </html>
```



## Office Maintenance Menu HTML

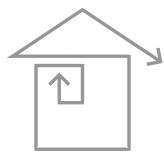
```
1  <!-- Estate Flow - Property Maintenance Page -->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <!-- Sets title -->
6      <title>EstateFlow - Property Maintenance</title>
7      <meta charset="UTF-8">
8      <link rel="stylesheet" href="menu.css">
9      <link rel="icon" type="image/x-icon" href="images/icon.png">
10 </head>
11 <body>
12
13     <!-- Fixed Top Bar displaying the page title -->
14     <div class="topBar">EstateFlow</div>
15
16     <!-- Sidebar Navigation Menu -->
17     <div class="sidebar">
18         <!-- Logo Section inside Sidebar -->
19         <div class="logo">
20             <a href="menu.html"></a>
21         </div>
22         <!-- Navigation Links -->
23         <a class ="button" href="Amelia/add_office.html.php">Add a New Office Property
24             </a>
25         <a class ="button" href="Amelia/delete_office.html.php">Delete an Office
26             Property</a>
27         <a class ="button" href="Amelia/ammendview_office.html.php">Amend/View an
28             Office Property</a>
29         <a class ="button" id="exit" href="menu.html">Return to Menu</a>
30     </div>
31
32     <!-- Main Content Area -->
33     <div class="content">
34         <h2>Office Property Maintenance</h2>
35     </div>
36
37 </body>
38 </html>
```



# Mark Lambert

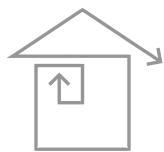
## Land Maintenance Menu HTML

```
1  <!-- Estate Flow - Property Maintenance Page -->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <!-- Sets title -->
6      <title>EstateFlow - Property Maintenance</title>
7      <meta charset="UTF-8">
8      <link rel="stylesheet" href="menu.css">
9      <link rel="icon" type="image/x-icon" href="images/icon.png">
10 </head>
11 <body>
12
13     <!-- Fixed Top Bar displaying the page title -->
14     <div class="topBar">EstateFlow</div>
15
16     <!-- Sidebar Navigation Menu -->
17     <div class="sidebar">
18         <!-- Logo Section inside Sidebar -->
19         <div class="logo">
20             <a href="menu.html"></a>
21         </div>
22         <!-- Navigation Links -->
23         <a class ="button" href="Mark/add_land.html.php">Add a New Land Property</a>
24         <a class ="button" href="Mark/delete_land.html.php">Delete a Land Property</a>
25         <a class ="button" href="Mark/view_land.html.php">Amend/View a Land Property
26             </a>
27             <a class ="button" id="exit" href="menu.html">Return to Menu</a>
28         </div>
29
30     <!-- Main Content Area -->
31     <div class="content">
32         <h2>Land Property Maintenance</h2>
33     </div>
34
35 </body>
</html>
```



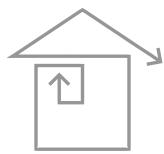
## Property Maintenance Menu HTML

```
1  <!-- Estate Flow - Property Maintenance Page -->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <!-- Sets title -->
6      <title>EstateFlow - Property Maintenance</title>
7      <meta charset="UTF-8">
8      <link rel="stylesheet" href="menu.css">
9      <link rel="icon" type="image/x-icon" href="images/icon.png">
10 </head>
11 <body>
12
13     <!-- Fixed Top Bar displaying the page title -->
14     <div class="topBar">EstateFlow</div>
15
16     <!-- Sidebar Navigation Menu -->
17     <div class="sidebar">
18         <!-- Logo Section inside Sidebar -->
19         <div class="logo">
20             <a href="menu.html"></a>
21         </div>
22         <!-- Navigation Links -->
23         <a class ="button" href="residential_maintenance.html">Residential Property
24             Maintenance</a>
25         <a class ="button" href="land_maintenance.html">Land Property Maintenance</a>
26         <a class ="button" href="office_maintenance.html">Office Property Maintenance
27             </a>
28         <a class ="button" id="exit" href="menu.html">Return to Menu</a>
29     </div>
30
31     <!-- Main Content Area -->
32     <div class="content">
33         <h2>Property Maintenance</h2>
34     </div>
35 </body>
36 </html>
```



## Reports Maintenance Menu HTML

```
1  <!-- Estate Flow - Reports Page -->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <!-- Sets title -->
6      <title>EstateFlow - Reports Menu</title>
7      <meta charset="UTF-8">
8      <link rel="stylesheet" href="menu.css">
9      <link rel="icon" type="image/x-icon" href="images/icon.png">
10 </head>
11 <body>
12
13     <!-- Fixed Top Bar displaying the page title -->
14     <div class="topBar">EstateFlow</div>
15
16     <!-- Sidebar Navigation Menu -->
17     <div class="sidebar">
18         <!-- Logo Section inside Sidebar -->
19         <div class="logo">
20             <a href ="menu.html"></a>
21         </div>
22         <!-- Navigation Links -->
23         <a class ="button" href="construction/residential_report.html">Residential
24             Property Report</a>
25         <a class ="button" href="Mark/land_report.html.php">Land Property Report</a>
26         <a class ="button" href="construction/office_report.html">Office Property
27             Report</a>
28         <a class ="button" href="Darius/bid_report.html">Bid Report</a>
29         <a class ="button" href="construction/client_report.html">Client Report</a>
30         <a class ="button" href="construction/individual_report.html">Individual
31             Client Report</a>
32         <a class ="button" href="construction/sales_report.html">Sales Report</a>
33         <a class ="button">Exit</a>
34     </div>
35
36     <!-- Main Content Area -->
37     <div class="content">
38         <h2>Reports Menu</h2>
39     </div>
40
41 </body>
42 </html>
```



## Residential Maintenance Menu HTML

```
1  <!-- Estate Flow - Property Maintenance Page -->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <!-- Sets title -->
6      <title>EstateFlow - Property Maintenance</title>
7      <meta charset="UTF-8">
8      <link rel="stylesheet" href="menu.css">
9      <link rel="icon" type="image/x-icon" href="images/icon.png">
10 </head>
11 <body>
12
13     <!-- Fixed Top Bar displaying the page title -->
14     <div class="topBar">EstateFlow</div>
15
16     <!-- Sidebar Navigation Menu -->
17     <div class="sidebar">
18         <!-- Logo Section inside Sidebar -->
19         <div class="logo">
20             <a href="menu.html"></p>
21         </div>
22         <!-- Navigation Links -->
23         <a class ="button" href="Darius/add_residential.html">Add a New Residential
24             Property</a>
25         <a class ="button" href="Darius/delete_residential.html">Delete a Residential
26             Property</a>
27         <a class ="button" href="Darius/view_residential.html">Amend/View a
28             Residential Property</a>
29         <a class ="button" id="exit" href="menu.html">Return to Menu</a>
30     </div>
31
32     <!-- Main Content Area -->
33     <div class="content">
34         <h2>Residential Property Maintenance</h2>
35     </div>
36
37 </body>
38 </html>
```



## Add a New Land Property

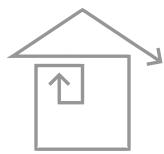
### HTML Screenshot

EstateFlow

The screenshot shows a web-based application for managing property listings. On the left, a sidebar features a house icon with an upward arrow, followed by three buttons: 'Add a New Land Property' (highlighted in green), 'Delete a Land Property', and 'Amend/View a Land Property'. Below these is an 'Exit' button. The main content area has a green header bar with the title 'Add a New Land Property'. Underneath is a section titled 'Select a Property Owner' with a dropdown menu labeled 'Select a Client'. The form is divided into two main sections: 'Property Details' on the left and 'Land-Specific Details' on the right.

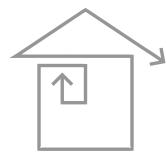
| Property Details                               |  | Land-Specific Details   |  |
|--|--|---|--|
| <b>Property Type:</b><br>Land                  |  | <b>Address:</b> *<br>Line 1 (Required)  |  |
| <b>Eircode:</b> *<br>Y21 234                   |  | <b>Line 2 (Optional)</b>  |  |
| <b>Location:</b> *<br>Carlow                   |  | <b>Line 3 (Optional)</b>  |  |
| <b>Status:</b><br>For Sale                     |  | <b>Acres:</b> *<br>2500   |  |
| <b>Owner:</b><br>[empty input]                 |  | <b>Buildings:</b> *<br>Two large buildings, one shed                          |  |
| <b>Asking Price:</b> *<br>€400000              |  | <b>Residence Details:</b> *<br>4 bedroom period residence in need of repair   |  |
| <b>Viewing Times:</b> *<br>Weekends 12pm - 5pm |  | <b>Quotas:</b> *<br>50000   |  |
|  |  | <b>Notes:</b><br>Exceptional condition, beautiful view, next to local village |  |

At the bottom right are two buttons: 'Add Land' (green) and 'Reset' (white).

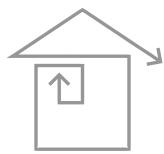


## land\_maintenance.html.php

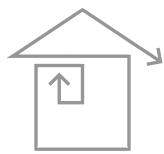
```
1  <!-- Estate Flow - Land Maintenance -->
2  <!--Name: Mark Lambert,
3  Student ID: C00192497
4  Purpose: Land Maintenance Main Hub Menu Page
5  Date: February 2025
6  EstateFlow Project Y2 2025 -->
7  <html lang="en">
8      <head>
9          <!-- Sets title -->
10         <title>EstateFlow - Land Property Maintenance</title>
11         <meta charset="UTF-8">
12         <!-- Style sheets -->
13         <link rel="stylesheet" href="../menu.css">
14         <link rel="stylesheet" href="land.css">
15         <!-- Set browser icon -->
16         <link rel="icon" type="image/x-icon" href="../images/icon.png">
17
18     </head>
19
20     <!-- Onload, the form locks, unlocks once user selects a client-->
21     <body onload="toggleLock()">
22
23         <!-- Fixed Top Bar displaying the page title -->
24         <div class="topBar">EstateFlow</div>
25
26         <!-- Sidebar Navigation Menu -->
27         <div class="sidebar" id="mySidebar">
28             <!-- Logo Section inside Sidebar -->
29             <div class="logo">
30                 <a href = "../menu.html"></a>
31             </div>
32             <!-- Navigation Links -->
33             <a id="addLand" class ="button" href="add_land.html.php">Add a New Land Property</a>
34             <a id="deleteLand" class ="button" href="delete_land.html.php">Delete a Land Property</a>
35             <a id="amendLand" class ="button" href="view_land.html.php">Amend/View a Land Property</a>
36             <br>
37             <a class ="button" id="exit" href="../menu.html">Exit</a>
38         </div>
39
```



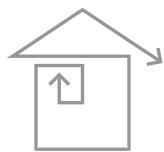
## **add\_land.html.php**



```
59
60    <!-- Container for Location -->
61    <div class = "inputbox">
62        <label for ="location">Location: <span class="required">*</span></label><br>
63        <input type="text" name="location" id="location" required
64            placeholder="Carlow">
65    </div>
66
67    <!-- Container for Status -->
68    <div class = "inputbox">
69        <label for ="status">Status: </label><br>
70        <select name = "status" id = status disabled>
71            <option value="0">For Sale</option>
72            <option value="1">Sale Agreed</option>
73            <option value="2">Sale Complete</option>
74        </select>
75    </div>
76
77    <!-- Container for Owner -->
78    <div class = "inputbox">
79        <label for = "owner">Owner: </label><br>
80        <input type="number" name="owner" id="owner">
81    </div>
82
83    <!-- Container for Asking Price -->
84    <div class = "inputbox">
85        <label for = "price">Asking Price: <span class="required">*</span></label><br>
86        <!-- Min = €1, max = €100 million-->
87        <input type="number" name="price" id="price" placeholder="€400000"
88            min="1" max="100000000" required>
89    </div>
90
91    <!-- Container for Viewing Times -->
92    <div class = "inputbox">
93        <label for = "viewing_times">Viewing Times: <span class="required">*</span></label><br>
94        <!-- Pattern allows for any alphabetic/number character, space's
95            hyphens and colons-->
96        <input type="text" name="viewing_times" id="viewing_times"
97            placeholder= "Weekends 12pm - 5pm" required pattern="[A-Za-z
98                \d\-\:\:]+>
99    </div>
100
101    </fieldset>
102
103    <!-- Begin Fieldset for Land Specific Details -->
104    <fieldset>
105
106        <legend>Land-Specific Details</legend>
107
108        <!-- Container for Address -->
109        <div class = "inputbox">
110            <label for ="adrs">Address: <span class="required">*</span></label><br>
111            <input type="text" name="adrs" id="adrs" required placeholder=
112                "Line 1 (Required)"> <br><br>
113            <input type="text" name="adrs2" id="adrs2" placeholder="Line 2
114                (Optional)"> <br><br>
115            <input type="text" name="adrs3" id="adrs3" placeholder="Line 3
116                (Optional)">
117        </div>
118
119        <!-- Container for Acres -->
120        <div class = "inputbox">
121            <label for ="acres">Acres: <span class="required">*</span></label><br>
122            <!-- Min 1 - validation that we have atleast an acre of land,
123                max=1000000 (one hundred thousand acres)-->
124            <input type="number" name="acres" id="acres" required placeholder=
125                "2500" min="1" max="100000">
```

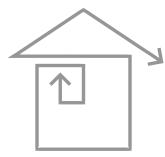


```
116     </div>
117
118     <!-- Container for Buildings -->
119     <div class = "inputbox">
120         <label for = "buildings">Buildings: <span class="required">*</span></label><br>
121         <input type="text" name="buildings" id="buildings" required
122             placeholder="Two large buildings, one shed">
123     </div>
124
125     <!-- Container for Residence Details -->
126     <div class = "inputbox">
127         <label for ="details">Residence Details: <span class="required">*</span></label><br>
128         <input type="text" name="details" id="details" required
129             placeholder="4 bedroom period residence in need of repair">
130     </div>
131
132     <!-- Container for Quotas -->
133     <div class = "inputbox">
134         <label for ="quotas">Quotas: <span class="required">*</span></label><br>
135         <!-- Max set to 1 million -->
136         <input type="number" name="quotas" id="quotas" required
137             placeholder="50000" min="0" max="1000000" title = "A quota may
138                 represent the amount of produce permitted to be produced (e.g
139                 500,000 litres of milk)">
140     </div>
141
142     <!-- Container for Notes -->
143     <div class = "inputbox">
144         <label for = "notes">Notes: </label><br>
145         <input type="text" name="notes" id="notes" placeholder=
146             "Exceptional condition, beautiful view, next to local village">
147     </div>
148
149     <!-- Submit/Reset buttons -->
150     <div class = "myButton">
151         <input type="submit" value = "Add Land" name = "submit" class ="button">
152             <!-- Note, on click reset re-locks fields -->
153             <input type="reset" value = "Reset" name = "reset" class ="button" onclick
154                 ="toggleLock() ">
155     </div>
156
157     </form>
158     <!-- End Main Content Area -->
159 </div>
```



## add\_land.js

```
1 //Name: Mark Lambert
2 //Student ID: C00192497
3 //Purpose: add_land javascript file
4 //Date: February 2025
5 //EstateFlow Y2 2025
6
7 // Function populate which populates the textboxes when the desired user is selected
from the listbox
8 function populate()
9 {
10    // Selected person is got by the element with id listbox
11    var sel = document.getElementById("listbox");
12    var result;
13    // Returns the value of the selected item in the listbox by going to the index in
the listbox and calling .value
14    result = sel.options[sel.selectedIndex].value;
15
16    // Split the details by using the # as a delimiter
17    var personDetails = result.split('#');
18
19    // If the user hasn't selected an element, then the first field in personDetails
(owner id) wont have a value
20    if(personDetails[0] >= 0)
21    {
22        // Put the client_ID (located at index 0 in the result set) into the inputbox
with id owner
23        document.getElementById("owner").value = personDetails[0];
24        // Once the client has been selected, we can call the unlock function so that
the user may now edit the required fields
25        unlock();
26    }
27}
28// Function toggleLock() is called onload, locking all fields until the user selects
a client first
29function toggleLock()
30{
31    //Set title
32    document.title = "EstateFlow - Add Land";
33    //Set a href class to button selected for specified page
34    document.getElementById("addLand").className = "button selected";
35
36    document.getElementById("adrs").disabled = true;
37    document.getElementById("adrs2").disabled = true;
38    document.getElementById("adrs3").disabled = true;
39    document.getElementById("eircode").disabled = true;
40    document.getElementById("location").disabled = true;
41    document.getElementById("owner").disabled = true;
42    document.getElementById("price").disabled = true;
43    document.getElementById("viewing_times").disabled = true;
44    document.getElementById("buildings").disabled = true;
45    document.getElementById("acres").disabled = true;
46    document.getElementById("details").disabled = true;
47    document.getElementById("quotas").disabled = true;
48    document.getElementById("notes").disabled = true;
49}
50//When we unlock, we only unlock fields that should be editable, leave the owner
inputbox locked,
51// as we got that info from the listbox, and we also don't need to edit the
property_type tag
52function unlock()
53{
54    document.getElementById("adrs").disabled = false;
55    document.getElementById("adrs2").disabled = false;
56    document.getElementById("adrs3").disabled = false;
57    document.getElementById("eircode").disabled = false;
58    document.getElementById("location").disabled = false;
59    document.getElementById("price").disabled = false;
60    document.getElementById("viewing_times").disabled = false;
61    document.getElementById("buildings").disabled = false;
62    document.getElementById("acres").disabled = false;
63    document.getElementById("details").disabled = false;
64    document.getElementById("quotas").disabled = false;
```

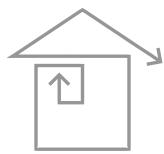


```
65     document.getElementById("notes").disabled = false;
66 }
67 // // Function confirmCheck() prompts user to confirm if they want to save the changes
68 function confirmCheck()
{
70     var response;
71     response = confirm('Confirm new Land Property');
72     // If user responds TRUE (yes), unlock the final locked fields and return true to
73     // insert the details
74     if(response)
75     {
76         unlock();
77         document.getElementById("status").disabled = false;
78         document.getElementById("property_type").disabled = false;
79         document.getElementById("owner").disabled = false;
80         return true;
81     }
82     // Otherwise, populate the inputboxes and lock the inputs, then return false
83     else
84     {
85         populate();
86         toggleLock();
87         return false;
88     }
}
```



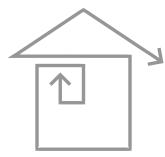
## add\_land.php

```
1  <!-- Estate Flow - Add Land Page -->
2  <!--Name: Mark Lambert,
3  Student ID: C00192497
4  Purpose: Add Land PHP page
5  EstateFlow Project Y2 2025 -->
6  <?php
7      session_start();
8  // Note: inclusion of db.inc.php file, as we first need to connect to the db.
9  include '../db.inc.php';
10 // Set variables for POST
11 // Generic Property Details
12 $property_type = $_POST['property_type'];
13 $adrs = $_POST['adrs'] . " " . $_POST['adrs2'] . " " . $_POST['adrs3'];
14 $eircode = $_POST['eircode'];
15 $location = $_POST['location'];
16 $status = $_POST['status'];
17 $owner = $_POST['owner'];
18 $price = $_POST['price'];
19 $viewing_times = $_POST['viewing_times'];
20
21 // Land-Specific Details
22 $property_id;
23 $acres = $_POST['acres'];
24 $buildings = $_POST['buildings'];
25 $details = $_POST['details'];
26 $quotas = $_POST['quotas'];
27 $notes = $_POST['notes'];
28
29 // INSERT statement for the Property table
30 $sql = "INSERT INTO Property
31 (type,address,eircode,location,status,owner,asking_price,viewing_times)
32 VALUES ('$property_type','$adrs','$eircode','$location','$status','$owner','$price',
33 '$viewing_times')";
34
35 // If the SQL query fails
36 if(!mysqli_query($con,$sql))
37 {
38     // Print the following message with the last occurred error that occurred
39     // within the connection
40     die("There was an error with your Property Query: " . mysqli_error($con));
41 }
42
43 // Gets the last AUTO ID value inserted, meaning we don't have to prompt the user
44 // for an input on what the property id of this land property is
45 $property_id = mysqli_insert_id($con);
46
47 // String sql is assigned the Insert statement for DB
48 $sql = "INSERT INTO Land (property_id,acres,buildings,residence_details, quotas,
49 notes)
50 VALUES ('$property_id','$acres','$buildings','$details','$quotas','$notes')";
51
52 // If the SQL query fails
53 if(!mysqli_query($con,$sql))
54 {
55     // Print the following message with the last occurred error that occurred
56     // within the connection
57     die("There was an error with your Land Property Query: " . mysqli_error($con
58     ));
59 }
60 //Set the session variable property_id for a success message
61 $_SESSION["property_id"] = $property_id;
62 // Close connection
63 mysqli_close($con);
64
65 ?>
66
67 <script>
68     // Send to the main Add page
69     window.location = "add_land.html.php"
70
71 </script>
```



## add\_land\_listbox.php

```
1  <!-- Name: Mark Lambert, Student ID: C00192497, Purpose: add_land listbox.php
2  12/2/2025 -->
3  <?php
4  // Include php script that connects to the db
5  include "../db.inc.php";
6  date_default_timezone_set('UTC');
7  // Prepare the statement for the SELECT query
8  $sql = "SELECT client_ID, name FROM Client WHERE delete_flag=0";
9
10 // Error handling, if a problem with the query, print a relevant message
11 if ( !$result = mysqli_query($con, $sql))
12 {
13     // Die kills rest of script
14     die('Error in querying the database' . mysqli_error($con));
15 }
16
17 // Creates a dropdown list (<select>) with a id listbox, when the user clicks the
18 // dropdown the function populate() when a user is clicked
19 echo "<br><select name = 'listbox' id = 'listbox' onclick = 'populate()'
required>";
20 // populate(), populates the forms inputboxes with further information from the
21 // db about the person
22
23 // Adds a hidden option to the listbox, which is hidden and disabled so that the
24 // user can't accidentally add this to the D/B
25 // Purpose is to have a default selected value that displays a message asking user
26 // to select from the listbox
27 echo "<option value ='none' selected disabled hidden>Select a Client</option>";
28 // Iterate through the result set
29 while($row = mysqli_fetch_array($result))
30 {
31     $id = $row['client_ID'];
32     $name = $row['name'];
33     // Concatenate all results into one, and use '#' as delim
34     $allText = "$id#$name";
35     // Assigns each field in the listbox (each person) with their respective more
36     // detailed information
37     echo "<option value = '$allText'>$name</option>";
38 }
39
40 // End the select (listbox)
41 echo "</select>";
42 // Close connection
43 mysqli_close($con);
44 ?>
```



## Delete a Land Property

### HTML Screenshot

EstateFlow

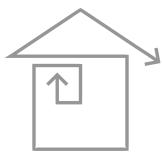
### Delete a Land Property

Select a Land Property to Delete

**Delete a Land Property**

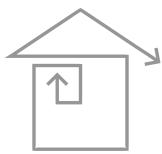
|  |   |
|--|---|
| <b>Property Type:</b><br>Land                | <b>Land-Specific Details</b>  |
| <b>Eircode:</b><br>Y21 234                   | <b>Address:</b><br>Line 1 (Required)  |
| <b>Location:</b><br>Carlow                   | <b>Line 2 (Optional)</b>  |
| <b>Status:</b><br>For Sale                   | <b>Line 3 (Optional)</b>  |
| <b>Highest Bid:</b><br>€385000               | <b>Acres:</b><br>2500   |
| <b>Asking Price:</b><br>€400000              | <b>Buildings:</b><br>Two large buildings, one shed                            |
| <b>Viewing Times:</b><br>Weekends 12pm - 5pm | <b>Residence Details:</b><br>4 bedroom period residence in need of repair     |
|  | <b>Quotas:</b><br>50000   |
|  | <b>Notes:</b><br>Exceptional condition, beautiful view, next to local village |

**Delete Record** **Reset**



## delete\_land.html.php

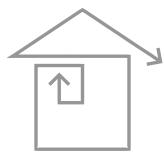
```
1  <!-- Estate Flow - Delete Land Page -->
2  <!--Name: Mark Lambert,
3  Student ID: C00192497
4  Purpose: Delete Land HTML form page
5  Date: February 2025
6  EstateFlow Project Y2 2025 -->
7  <!DOCTYPE html>
8  <?php
9      include "land_maintenance.html.php";
10     session_start();
11 ?>
12 <!-- Main Content Area -->
13 <div class="content">
14     <script src="delete_land.js"></script>
15     <!-- Start form, sending info via Post to add_land.php -->
16     <form action="delete_land.php" onsubmit="return confirmCheck()" method="Post">
17         <!-- Set heading for the form -->
18         <h1>Delete a Land Property</h1>
19
20         <!-- Container for Listbox containing all clients w/ their client_id in the
21             values-->
22         <div class = "view-listbox">
23             <label for = "view-listbox"><h2>Select a Land Property to Delete
24             </h2></label>
25             <!-- Calls the php script to make the dynamic listbox and insert it into
26                 the form via an echo -->
27             <?php
28                 include 'delete_land_listbox.php';
29             ?>
30         </div>
31
32         <!-- Script to echo out that the land property has been deleted-->
33         <?php
34             if(ISSET($_SESSION["land_id"])) && ISSET($_SESSION["eircode"]))
35             {
36                 if(ISSET($_SESSION["bid"]))
37                 {
38                     echo "<h2>Land Property with ID: " . $_SESSION["land_id"] . ", "
39                     Eircode " . $_SESSION["eircode"] . " and all bids have been
40                     deleted</h2>";
41                 }
42                 else
43                     echo "<h2>Land Property with ID: " . $_SESSION["land_id"] . " and
44                     Eircode " . $_SESSION["eircode"] . " has been deleted</h2>";
45             }
46             session_destroy();
47         ?>
48
49         <!-- Begin form Container -->
50         <div class = "formContainer">
51
52             <fieldset>
53
54                 <legend>Delete a Land Property</legend>
55
56                 <!-- Container for Property Type -->
57                 <div class = "inputbox">
58                     <label for = "property_type">Property Type: </label><br>
59                     <!-- Set value to Land as it cannot be anything other than Land
60                     when entering a Land property, disabled the box so cannot be
61                     edited -->
62                     <input type="text" name="property_type" id="property_type"
63                         placeholder="Land" disabled>
64                 </div>
65
66                 <!-- Container for Eircode -->
67                 <div class = "inputbox">
68                     <label for = "eircode">Eircode: </label><br>
69                     <!-- Pattern: Eircode 1 alpha char(upper or lowercase) followed
70                     by TWO digits, zero to one spaces any four of a alpha char or
71                     number -->
72                     <input type="text" name="eircode" id="eircode" required autofocus
73             </div>
```



```
placeholder="Y21 234" pattern="[A-Za-z]{1}\d{2}[ ]?[A-Za-z\d]{4}"  
disabled >  
62 </div>  
63  
64 <!-- Container for Location -->  
65 <div class = "inputbox">  
66   <label for ="location">Location: </label><br>  
67   <input type="text" name="location" id="location" required  
placeholder="Carlow" disabled>  
68 </div>  
69  
70 <!-- Container for Status -->  
71 <div class = "inputbox">  
72   <label for ="status">Status: </label><br>  
73   <select name = "status" id = status>  
74     <option value="0">For Sale</option>  
75     <option value="1">Sale Agreed</option>  
76     <option value="2">Sale Complete</option>  
77   </select>  
78 </div>  
79  
80 <!-- Container for Highest Bid -->  
81 <div class = "inputbox">  
82   <label for = "bid">Highest Bid: </label><br>  
83   <input type="number" name="bid" id="bid" min="1" placeholder=  
"€385000" required disabled>  
84 </div>  
85  
86 <!-- Container for Asking Price -->  
87 <div class = "inputbox">  
88   <label for = "price">Asking Price: </label><br>  
89   <!-- Min = €1, max = €100 million-->  
90   <input type="number" name="price" id="price" placeholder="€400000"  
min="1" max="100000000" required disabled>  
91 </div>  
92  
93 <!-- Container for Viewing Times -->  
94 <div class = "inputbox">  
95   <label for = "viewing_times">Viewing Times: </label><br>  
96   <!-- Pattern allows for any alphabetic/number character, space's  
hyphens and colons-->  
97   <input type="text" name="viewing_times" id="viewing_times"  
placeholder= "Weekends 12pm - 5pm" required pattern="[A-Za-z  
\d\-\:\:]+&" disabled>  
98 </div>  
99  
100 </fieldset>  
101  
102 <!-- Begin Fieldset for Land Specific Details -->  
103 <fieldset>  
104  
105   <legend>Land-Specific Details</legend>  
106  
107   <!-- Container for Address -->  
108   <div class = "inputbox">  
109     <label for ="adrs">Address: </label><br>  
110     <input type="text" name="adrs" id="adrs" required placeholder=  
"Line 1 (Required)" disabled> <br><br>  
111     <input type="text" name="adrs2" id="adrs2" placeholder="Line 2  
(Optional)" disabled> <br><br>  
112     <input type="text" name="adrs3" id="adrs3" placeholder="Line 3  
(Optional)" disabled>  
113 </div>  
114  
115   <!-- Container for Acres -->  
116   <div class = "inputbox">  
117     <label for ="acres">Acres: </label><br>  
118     <!-- Min 1 - validation that we have atleast an acre of land,  
max=1000000 (one hundred thousand acres)-->  
119     <input type="number" name="acres" id="acres" required placeholder=  
"2500" min="1" max="100000" disabled>  
120 </div>
```

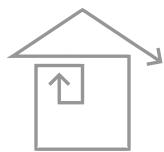


```
121
122     <!-- Container for Buildings -->
123     <div class = "inputbox">
124         <label for = "buildings">Buildings: </label><br>
125         <input type="text" name="buildings" id="buildings" required
126             placeholder="Two large buildings, one shed" disabled>
127     </div>
128
129     <!-- Container for Residence Details -->
130     <div class = "inputbox">
131         <label for = "details">Residence Details: </label><br>
132         <input type="text" name="details" id="details" required
133             placeholder="4 bedroom period residence in need of repair"
134             disabled>
135     </div>
136
137     <!-- Container for Quotas -->
138     <div class = "inputbox">
139         <label for = "quotas">Quotas: </label><br>
140         <!-- Max set to 1 million -->
141         <input type="number" name="quotas" id="quotas" required
142             placeholder="50000" min="0" max="1000000" title = "A quota may
143             represent the amount of produce permitted to be produced (e.g
144                 500,000 litres of milk)" disabled>
145     </div>
146
147     <!-- Container for Notes -->
148     <div class = "inputbox">
149         <label for = "notes">Notes: </label><br>
150         <input type="text" name="notes" id="notes" placeholder=
151             "Exceptional condition, beautiful view, next to local village"
152             disabled>
153     </div>
154
155     <!-- Container for Land ID - Hidden, as ID is only needed when
156         updating to the correct entry in table -->
157     <input type="number" name="land_id" id="land_id" hidden>
158
159     <!-- Container for Property ID - Hidden, as ID is only needed when
160         updating to the correct entry in table -->
161     <input type="number" name="property_id" id="property_id" hidden>
162
163     <!-- Container for bid_id hidden, only needed for getting relevant
164         record to delete-->
165     <input type="number" name="bid_id" id="bid_id" hidden>
166
167     <!-- End Form Container -->
168 </div>
169
170     <!-- End Main Content Area -->
171 </div>
```

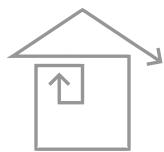


## delete\_land.js

```
1 //Name: Mark Lambert
2 //Student ID: C00192497
3 //Purpose: delete_land javascript file
4 //EstateFlow Y2 2025
5
6 // Function populate which populates the textboxes when the desired user is selected
7 // from the listbox
8 function populate()
9 {
10    // Selected person is got by the element with id listbox
11    var sel = document.getElementById("listbox");
12
13    var result;
14    // Returns the value of the selected item in the listbox by going to the index in
15    // the listbox and calling .value
16    result = sel.options[sel.selectedIndex].value;
17    // Split the details by using the , as a delimiter
18    var landDetails = result.split('#');
19
20    //Checks if the user has selected something from the listbox by inspecting the
21    //first element in the array of results
22    //which is for property type, if no value is in the field, it defaults to none,
23    //so if false, populate
24    if(!(landDetails[0] == "none"))
25    {
26        // Populate each element corresponding to their index in the landDetails
27        // array (which in turn is based off of how you inserted the values into the
28        // allText var in listbox.php)
29        document.getElementById("property_type").value = landDetails[0];
30        document.getElementById("adrs").value = landDetails[1];
31        document.getElementById("eircode").value = landDetails[2];
32        document.getElementById("location").value = landDetails[3];
33        document.getElementById("status").value = landDetails[4];
34        document.getElementById("bid").value = landDetails[5];
35        document.getElementById("price").value = landDetails[6];
36        document.getElementById("viewing_times").value = landDetails[7];
37        document.getElementById("acres").value = landDetails[8];
38        document.getElementById("buildings").value = landDetails[9];
39        document.getElementById("details").value = landDetails[10];
40        document.getElementById("quotas").value = landDetails[11];
41        document.getElementById("notes").value = landDetails[12];
42        document.getElementById("property_id").value = landDetails[13];
43        document.getElementById("land_id").value = landDetails[14];
44        document.getElementById("bid_id").value = landDetails[15];
45
46        //Unlock everything to populate the form
47        unlock();
48    }
49
50    //Then re-lock the fields so the user can't enter any info
51    toggleLock();
52 }
53
54 // Function toggleLock() is called onload, locking all fields until the user selects
55 // a client first
56 function toggleLock()
57 {
58    document.title = "EstateFlow - Delete Land";
59    //Set a href class to button selected for specified page
60    document.getElementById("deleteLand").className = "button selected";
61
62    document.getElementById("property_type").disabled = true;
63    document.getElementById("adrs").disabled = true;
64    document.getElementById("adrs2").disabled = true;
65    document.getElementById("adrs3").disabled = true;
66    document.getElementById("eircode").disabled = true;
67    document.getElementById("location").disabled = true;
68    document.getElementById("status").disabled = true;
69    document.getElementById("bid").disabled = true;
70    document.getElementById("price").disabled = true;
71    document.getElementById("viewing_times").disabled = true;
72    document.getElementById("buildings").disabled = true;
73    document.getElementById("acres").disabled = true;
```

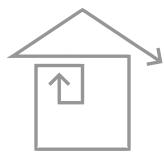


```
66     document.getElementById("details").disabled = true;
67     document.getElementById("quotas").disabled = true;
68     document.getElementById("notes").disabled = true;
69 }
70 //When we unlock, we only unlock fields that should be editable, leave the owner
71 //inputbox locked,
72 // as we got that info from the listbox, and we also don't need to edit the
73 //property_type tag
74 function unlock()
75 {
76     document.getElementById("adrs").disabled = false;
77     document.getElementById("adrs2").disabled = false;
78     document.getElementById("adrs3").disabled = false;
79     document.getElementById("eircode").disabled = false;
80     document.getElementById("location").disabled = false;
81     document.getElementById("status").disabled = false;
82     document.getElementById("bid").disabled = false;
83     document.getElementById("price").disabled = false;
84     document.getElementById("viewing_times").disabled = false;
85     document.getElementById("buildings").disabled = false;
86     document.getElementById("acres").disabled = false;
87     document.getElementById("details").disabled = false;
88     document.getElementById("quotas").disabled = false;
89     document.getElementById("notes").disabled = false;
90 }
91 // // Function confirmCheck() prompts user to confirm if the want to save the changes
92 function confirmCheck()
93 {
94     //Unlock the fields before submitting the form, so that we can correctly set the
95     //session variables
96     unlock();
97     var checkBids;
98     if(document.getElementById("bid_id").value != -1)
99     {
100         checkBids = confirm('There are currently active bids on this property,
101         proceeding will delete all associated Bids');
102         //If user confirms they want to, ask once more if they want to delete
103         if(checkBids)
104         {
105             var areYouSure;
106             areYouSure = confirm("Are you Sure?");
107             if(areYouSure)
108             {
109                 return true;
110             }
111             else
112             {
113                 toggleLock();
114                 return false;
115             }
116         }
117         var response;
118         response = confirm('Are you sure you want to delete?');
119         // If user responds TRUE (yes), unlock the final locked fields and return true to
120         //insert the details
121         if(response)
122         {
123             document.getElementById("property_type").disabled = false;
124             document.getElementById("owner").disabled = false;
125             return true;
126         }
127         // Otherwise, populate the inputboxes and lock the inputs, then return false
128         else
129         {
130             populate();
131             toggleLock();
132             return false;
133         }
134 }
```



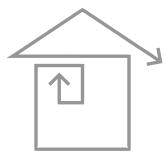
## delete\_land.php

```
1  <!-- Estate Flow - Delete Land Page php -->
2  <!--Name: Mark Lambert
3  Purpose: php script for deleting a land property
4  Student ID: C00192497y-->
5  <!DOCTYPE html>
6  <?php
7      session_start();
8  ?>
9
10 <?php
11     include '../db.inc.php';
12     date_default_timezone_set('UTC');
13     //UPDATE statements for deleting the entries in the table
14     // UPDATE statement for the Property table
15     $propSQL = "UPDATE Property SET delete_flag = 1 WHERE property_id = '$_POST[property_id]'";
16     // UPDATE statement for the Land Table
17     $landSQL = "UPDATE Land SET delete_flag = 1 WHERE land_id = '$_POST[land_id]'";
18     //Update statement for the Bid table
19     $bidSQL = "UPDATE Bid SET delete_flag = 1 WHERE property_ID = '$_POST[property_id]'";
20
21     // If there's a problem with the query
22     if(!mysqli_query($con, $propSQL))
23     {
24         die("There was an error with your Property Query: " . mysqli_error($con));
25     }
26     // Otherwise
27     else
28     {
29         // So long as AT LEAST 1 row was affected, we will execute the update
30         if(mysqli_affected_rows($con) !=0)
31         {
32             $_SESSION['land_id'] = $_POST['property_id'];
33         }
34     }
35
36     // If there's a problem with the query for LAND
37     if(!mysqli_query($con, $landSQL))
38     {
39         die("There was an error with your Land Property Query: " . mysqli_error($con));
40     }
41     // Otherwise
42     else
43     {
44         // So long as AT LEAST 1 row was affected, we will execute the update
45         if(mysqli_affected_rows($con) !=0)
46         {
47             $_SESSION['eircode'] = $_POST['eircode'];
48         }
49     }
50
51     // If there's a problem with the query for BID
52     if(!mysqli_query($con, $bidSQL))
53     {
54         die("There was an error with your Bid Query: " . mysqli_error($con));
55     }
56     // Otherwise
57     else
58     {
59         // So long as AT LEAST 1 row was affected, we will execute the update
60         if(mysqli_affected_rows($con) !=0)
61         {
62             $_SESSION['bid'] = 1;
63         }
64     }
65
66
67     header('Location: delete_land.html.php');
68     mysqli_close($con);
69
```



## delete\_land\_listbox.php

```
1  <!-- Name: Mark Lambert, Student ID: C00192497, Purpose: delete land listbox.php
2  12/2/2025 -->
3  <?php
4  // Include php script that connects to the db
5  include "../db.inc.php";
6  date_default_timezone_set('UTC');
7  // Prepare the statement for the SELECT query on LAND which INNER JOINS with the
8  // PROPERTY table where their property id's are equal respectively, finally a LEFT join
9  // joins this with the Bid table and group by the land_id, so that we do not see repeats
10 // in the dropdown
11 $sql = "SELECT Land.*, Property.*, Bid.bid_id FROM Land INNER JOIN Property ON
12 Land.property_id = Property.property_id LEFT JOIN Bid ON Land.property_id =
13 Bid.property_id WHERE Land.delete_flag = 0 GROUP BY Land.land_id";
14
15
16
17
18
19 // Error handling, if a problem with the query, print a relevant message
20 if ( !$result = mysqli_query($con, $sql) )
21 {
22     // Die kills rest of script
23     die('Error in querying the database' . mysqli_error($con));
24 }
25
26
27 // Creates a dropdown list (<select>) with a id listbox, when the user clicks the
28 // dropdown the function populate() when a user is clicked
29 echo "<br><select name = 'listbox' id = 'listbox' onclick = 'populate()'
30 required>";
31 // populate(), populates the forms inputboxes with further information from the
32 // db about the person
33
34 // Adds a hidden option to the listbox, which is hidden and disabled so that the
35 // user can't accidentally add this to the D/B
36 // Purpose is to have a default selected value that displays a message asking user
37 // to select from the listbox
38 echo "<option value ='none' selected disabled selected>Select a Land
39 Property</option>";
40 // Iterate through the result set
41 while($row = mysqli_fetch_array($result))
42 {
43     // Property values
44     $type = $row['type'];
45     $address = $row['address'];
46     $eircode = $row['eircode'];
47     $location = $row['location'];
48     $status = $row['status'];
49     $highest_bid = $row['highest_bid'];
50     $asking_price = $row['asking_price'];
51     $viewing_times = $row['viewing_times'];
52     $property_id = $row['property_id'];
53     // Then Land
54     $land_id = $row['land_id'];
55     $acres = $row['acres'];
56     $buildings = $row['buildings'];
57     $residence_details = $row['residence_details'];
58     $quotas = $row['quotas'];
59     $notes = $row['notes'];
60
61     $bid_id = $row['bid_id'];
62
63     //If there isn't any bid's associated with the property, assign it a default
64     //value
65     if($bid_id == null){
66         $bid_id = -1;
67     }
68     //Assign allText all of the values, separated by the delim '#'
69     $allText = "$type#$address#$eircode#$location#$status#$highest_bid#
70     $asking_price#$viewing_times#$land_id#$acres#$buildings#$residence_details#
71     $quotas#$notes#$property_id#$bid_id";
72     // Assigns each field in the listbox with the values and displays each entry
73     // via their eircode
74     echo "<option value = '$allText'>$eircode ($address)</option>";
```



## Amend/View a Land Property

### HTML Screenshot

**EstateFlow**

### Amend a Land Property

Select a Land Property to Edit

Select a Land Property

[Amend Details](#) [Filter by Sold](#) [Filter by Not Sold](#) [Reset Filter](#)

**Amend a Land Property**

|  |   |
|--|---|
| <b>Eircode:</b> *<br>Y21 234                   | <b>Address:</b> *<br>Line 1 (Required)  |
| <b>Location:</b> *<br>Carlow                   | Line 2 (Optional)   |
| <b>Status:</b><br>For Sale                     | Line 3 (Optional)   |
| <b>Owner:</b><br><input type="text"/>          | <b>Acres:</b> *<br>2500   |
| <b>Highest Bid:</b><br>€385000                 | <b>Buildings:</b> *<br>Two large buildings, one shed                          |
| <b>Asking Price:</b> *<br>€400000              | <b>Residence Details:</b> *<br>4 bedroom period residence in need of repair   |
| <b>Viewing Times:</b> *<br>Weekends 12pm - 5pm | <b>Quotas:</b> *<br>50000   |
|  | <b>Notes:</b><br>Exceptional condition, beautiful view, next to local village |

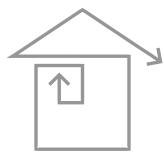
[Update Record](#) [Reset](#)

**Add a New Land Property**

**Delete a Land Property**

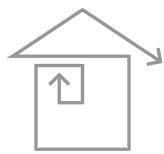
**Amend/View a Land Property**

[Exit](#)

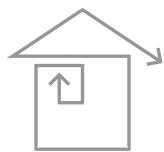


## view\_land.html.php

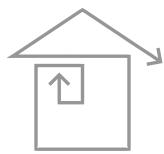
```
1  <!-- Estate Flow - View Land Page -->
2  <!--Name: Mark Lambert
3  Student ID: C00192497
4  Purpose: View/Amend land form page
5  Date: February 2025
6  EstateFlow Y2 Project 2025-->
7  <!DOCTYPE html>
8  <?php
9      include "land_maintenance.html.php";
10     session_start();
11 ?>
12 <!-- Main Content Area -->
13 <div class="content">
14     <script src="view_land.js"></script>
15     <!-- Start form, sending info via Post to add_land.php -->
16     <form action="view_land.php" onsubmit="return confirmCheck()" method="Post">
17         <!-- Set heading for the form -->
18         <h1>Amend a Land Property</h1>
19
20         <!-- Container for Listbox containing all clients w/ their client_id in the
values-->
21         <div class = "view-listbox">
22             <label for = "view-listbox"><h2>Select a Land Property to Edit
23             </h2></label>
24             <!-- Calls the php script to make the dynamic listbox and insert it into
the form via an echo -->
25             <?php include 'view_land_listbox.php'; ?>
26         </div>
27
28         <!-- Button which when clicked, calls the toggleLock function (toggleLock,
switches between the two states of Amend and View) -->
29         <div class = "myButton">
30             <input type = "button" value = "Amend Details" id = "amendViewbutton"
31             onclick = "toggleLock()" disabled>
32             <input type='button' value='Filter by Sold' id='filterSold' onclick=
33             ='filterBySold()'>
34             <input type='button' value='Filter by Not Sold' id='filterNotSold' onclick=
35             ='filterByNotSold()'>
36             <input type='button' value='Reset Filter' id='resetFilter' onclick=
37             ='filterAll()'>
38         </div>
39
40         <!-- Script which checks if the session variable has been set for when a land
property has been edited, if so, echo a message out -->
41         <?php
42         if(isset($_SESSION['property_id'])){
43             echo "<h2>Land Property with ID: " . $_SESSION['property_id'] . " has
44             been updated</h2>";
45         }
46         session_destroy();
47     ?>
48
49         <div class = "formContainer">
50             <fieldset>
51                 <legend>Amend a Land Property</legend>
52
53                 <!-- Container for Eircode -->
54                 <div class = "inputbox">
55                     <label for = "eircode">Eircode: <span class="required">*</span></label><br>
56                     <!-- Pattern: Eircode 1 alpha char(upper or lowercase) followed
by TWO digits, zero to one spaces any four of a alpha char or
number -->
57                     <input type="text" name="eircode" id="eircode" required autofocus
placeholder="Y21 234" pattern="[A-Za-z]{1}\d{2}[\ ]?[A-Za-z\d]{4}">
58                     disabled autofocus title="Valid Eircode is required (e.g Y21
59                     R234)">
60                 </div>
61             </fieldset>
62         </div>
63     ?>
```



```
57      <!-- Container for Location -->
58      <div class = "inputbox">
59          <label for ="location">Location: <span class="required">*</span></label><br>
60          <input type="text" name="location" id="location" required
61              placeholder="Carlow" disabled>
62      </div>
63
64      <!-- Container for Status -->
65      <div class = "inputbox">
66          <label for ="status">Status: </label><br>
67          <select name = "status" id = status disabled>
68              <option value="0">For Sale</option>
69              <option value="1">Sale Agreed</option>
70              <option value="2">Sale Complete</option>
71          </select>
72      </div>
73
74      <!-- Container for Owner -->
75      <div class = "inputbox">
76          <label for = "ownerName">Owner: </label><br>
77          <input type="text" name="ownerName" id="ownerName" disabled>
78      </div>
79
80      <!-- Container for Highest Bid -->
81      <div class = "inputbox">
82          <label for = "bid">Highest Bid: </label><br>
83          <input type="number" name="bid" id="bid" placeholder="€385000" min
84              ="1" disabled>
85      </div>
86
87      <!-- Container for Asking Price -->
88      <div class = "inputbox">
89          <label for = "price">Asking Price: <span class="required">*</span></label><br>
90          <!-- Min = €1, max = €100 million-->
91          <input type="number" name="price" id="price" placeholder="€400000"
92              min="1" max="100000000" required>
93      </div>
94
95      <!-- Container for Viewing Times -->
96      <div class = "inputbox">
97          <label for = "viewing_times">Viewing Times: <span class="required">*</span></label><br>
98          <!-- Pattern allows for any alphabetic/number character, space's
99              hyphens and colons-->
100         <input type="text" name="viewing_times" id="viewing_times"
101             placeholder= "Weekends 12pm - 5pm" required pattern="[A-Za-z
102                 \d\-\:]+">
103     </div>
104
105     </fieldset>
106
107     <!-- Begin Fieldset for Land Specific Details -->
108     <fieldset>
109
110         <legend>Land-Specific Details</legend>
111
112         <!-- Container for Address -->
113         <div class = "inputbox">
114             <label for ="adrs">Address: <span class="required">*</span></label><br>
115             <input type="text" name="adrs" id="adrs" required placeholder=
116                 "Line 1 (Required)" disabled> <br><br>
117             <input type="text" name="adrs2" id="adrs2" placeholder="Line 2
118                 (Optional)" disabled> <br><br>
119             <input type="text" name="adrs3" id="adrs3" placeholder="Line 3
120                 (Optional)" disabled>
121         </div>
122
123         <!-- Container for Acres -->
124         <div class = "inputbox">
```

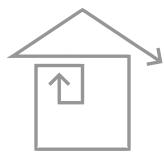


```
116         <label for ="acres">Acres: <span class="required">*</span></label><br>
117         <!-- Min 1 - validation that we have atleast an acre of land,
118         max=1000000 (one hundred thousand acres)-->
119         <input type="number" name="acres" id="acres" required placeholder=
120             "2500" min="1" max="100000">
121
122         <!-- Container for Buildings -->
123         <div class = "inputbox">
124             <label for = "buildings">Buildings: <span class="required">*</span></label><br>
125             <input type="text" name="buildings" id="buildings" required
126                 placeholder="Two large buildings, one shed">
127
128         <!-- Container for Residence Details -->
129         <div class = "inputbox">
130             <label for ="details">Residence Details: <span class="required">*</span></label><br>
131             <input type="text" name="details" id="details" required
132                 placeholder="4 bedroom period residence in need of repair"
133                     disabled>
134
135             <!-- Container for Quotas -->
136             <div class = "inputbox">
137                 <label for ="quotas">Quotas: <span class="required">*</span></label><br>
138                 <!-- Max set to 1 million -->
139                 <input type="number" name="quotas" id="quotas" required
140                     placeholder="50000" min="0" max="1000000" title =
141                         "A quota may
142                             represent the amount of produce permitted to be produced (e.g
143                             500,000 litres of milk)">
144
145
146         <!-- Container for Notes -->
147         <div class = "inputbox">
148             <label for = "notes">Notes: </label><br>
149             <input type="text" name="notes" id="notes" placeholder=
150                 "Exceptional condition, beautiful view, next to local village"
151                     disabled>
152
153
154
155         <!-- Container for Owner ID - Hidden, as ID is only needed when
156             updating to the correct entry in table -->
157         <input type="number" name="owner" id="owner" hidden>
158
159
160         <!-- Container for Property ID - Hidden, as ID is only needed when
161             updating to the correct entry in table -->
162         <input type="number" name="property_id" id="property_id" hidden>
163
164
165         <!-- Container for Land ID - Hidden, as ID is only needed when
166             updating to the correct entry in table -->
167         <input type="number" name="id" id="id" hidden>
168
169
170         <!-- Hidden for UI tidyness as only needed for query-->
171         <input type="text" name="property_type" id="property_type" hidden>
172
173
174     </fieldset>
175     <!-- End Form Container -->
176
177
178     <!-- Submit/Reset buttons -->
179     <div class = "myButton">
180         <!-- Submit button is initially disabled, as user will only be able to
181             submit details when in the amend state-->
182         <input type="submit" value = "Update Record" name = "submit" class =
183             "button" id="submit" disabled>
184
185         <!-- Note, on click reset re-locks fields -->
186         <input type="reset" value = "Reset" name = "reset" class ="button" onclick
187             ="toggleLock()">
```

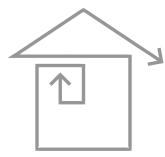


## view\_land.js

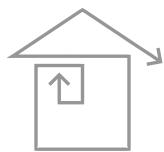
```
1 //Name: Mark Lambert
2 //Student ID: C00192497
3 //Purpose: JavaScript file for view/amend a land property
4 //Date: February 2025
5 //EstateFlow Y2 Project 2025
6
7 // // Function confirmCheck() prompts user to confirm if they want to save the changes
8 function confirmCheck()
9 {
10    var response = confirm('Confirm Update?');
11    console.log("User response:", response); // Log the user's response
12    return response; // Return the response directly
13    if(response)
14    {
15        document.getElementById("property_type").disabled = false;
16        return true;
17    }
18    else
19    {
20        populate();
21        toggleLock();
22        return false;
23    }
24}
25 // Function populate which populates the textboxes when the desired user is selected
from the listbox
26 function populate()
27 {
28    // Selected person is got by the element with id listbox
29    var sel = document.getElementById("listbox");
30    var result;
31    // Returns the value of the selected item in the listbox by going to the index in
the listbox and calling .value
32    result = sel.options[sel.selectedIndex].value;
33    // Split the details by using the , as a delimiter
34    var landDetails = result.split('#');
35
36    //Check if the user has clicked an entry on the listbox
37    if(!(landDetails[0] == "none")){
38        //If they have, then we can enable the amendView button
39        document.getElementById("amendViewbutton").disabled = false;
40        document.getElementById("property_type").value = landDetails[0];
41        document.getElementById("adrs").value = landDetails[1];
42        document.getElementById("eircode").value = landDetails[2];
43        document.getElementById("location").value = landDetails[3];
44        document.getElementById("status").value = landDetails[4];
45        document.getElementById("owner").value = landDetails[5];
46        document.getElementById("bid").value = landDetails[6];
47        document.getElementById("price").value = landDetails[7];
48        document.getElementById("viewing_times").value = landDetails[8];
49        document.getElementById("property_id").value = landDetails[9];
50        document.getElementById("id").value = landDetails[10];
51        document.getElementById("acres").value = landDetails[11];
52        document.getElementById("ownerName").value = landDetails[12];
53        document.getElementById("buildings").value = landDetails[13];
54        document.getElementById("details").value = landDetails[14];
55        document.getElementById("quotas").value = landDetails[15];
56        document.getElementById("notes").value = landDetails[16];
57    }
58
59 }
60 // Function toggleLock() is called onload, locking all fields until the user selects
a client first
61 function toggleLock()
62 {
63    //Set title
64    document.title = "EstateFlow - Amend Land";
65    //Set a href class to button selected for specified page
66    document.getElementById("amendLand").className = "button selected";
67
68    // Check if the user has first actually selected a property, which will be
known if the Property Type field is populated with "Land", otherwise,
```



```
69 // if it reads none, null, undefined etc it wont allow the user to insert/amend
70 if(document.getElementById("property_type").value == "Land")
71 {
72     document.getElementById("submit").disabled = false;
73     document.getElementById("amendViewbutton").disabled = false;
74 }
75
76 //If the button reads Amend Details, then we are in the View Details state, so
77 //lock all the fields
78 //also checks if property_id has a value, otherwise, don't allow the body onload
79 //tag to execute, as it would cause the form to unlock
80 if(document.getElementById("amendViewbutton").value == "Amend Details" && document
81 .getElementById("property_id").value > 0){
82
83     document.getElementById("adrs").disabled = false;
84     document.getElementById("adrs2").disabled = false;
85     document.getElementById("adrs3").disabled = false;
86     document.getElementById("eircode").disabled = false;
87     document.getElementById("location").disabled = false;
88     document.getElementById("price").disabled = false;
89     document.getElementById("viewing_times").disabled = false;
90     document.getElementById("buildings").disabled = false;
91     document.getElementById("acres").disabled = false;
92     document.getElementById("details").disabled = false;
93     document.getElementById("quotas").disabled = false;
94     document.getElementById("notes").disabled = false;
95     document.getElementById("ownerName").disabled = false;
96
97     //Change the button to View Details
98     document.getElementById("amendViewbutton").value = "View Details";
99 }
100 else
101 {
102     unlock();
103 }
104
105 function unlock()
106 {
107     document.getElementById("adrs").disabled = true;
108     document.getElementById("adrs2").disabled = true;
109     document.getElementById("adrs3").disabled = true;
110     document.getElementById("eircode").disabled = true;
111     document.getElementById("location").disabled = true;
112     document.getElementById("status").disabled = true;
113     document.getElementById("bid").disabled = true;
114     document.getElementById("price").disabled = true;
115     document.getElementById("viewing_times").disabled = true;
116     document.getElementById("buildings").disabled = true;
117     document.getElementById("acres").disabled = true;
118     document.getElementById("details").disabled = true;
119     document.getElementById("quotas").disabled = true;
120     document.getElementById("notes").disabled = true;
121     document.getElementById("ownerName").disabled = true;
122
123     //Enable the submit button when in amend mode
124     document.getElementById("submit").disabled = true;
125
126     document.getElementById("amendViewbutton").value = "Amend Details";
127 }
128
129 // Function filterAll() resets the listbox back to no filtered state
130 function filterAll()
131 {
132     var options = document.getElementById("listbox");
133     // Returns the value of the selected item in the listbox by going to the index in
134     // the listbox and calling .value
135     for(var i = 0; i < options.length; i++)
136     {
137         if(options[i].hidden)
```

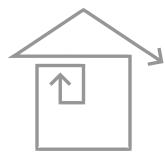


```
137         {
138             options[i].hidden = false;
139         }
140     }
141 //Enable both buttons
142 document.getElementById("filterSold").disabled = false;
143 document.getElementById("filterNotSold").disabled = false;
144 }
145
146 // Function filterBySold() hides all options that are currently NOT SOLD
147 function filterBySold()
148 {
149     filterAll();
150     var options = document.getElementById("listbox");
151     var result;
152     // Returns the value of the selected item in the listbox by going to the index in
153     // the listbox and calling .value
154     for(var i =0; i < options.length; i++)
155     {
156         result = options.options[i].value;
157         // Split the details by using the # as a delimiter
158         var landDetails = result.split('#');
159         //Disable any property that is tagged with a 0 (meaning any properties NOT
160         //SOLD get disabled)
161         if(landDetails[4] == 0)
162         {
163             options[i].hidden = true;
164         }
165         //Disable filterSold button
166         document.getElementById("filterSold").disabled = true;
167         document.getElementById("filterNotSold").disabled = false;
168     }
169
170 //Function filterByNotSold() hides all elements that ARE SOLD or SALE AGREED
171 function filterByNotSold()
172 {
173     filterAll();
174     var options = document.getElementById("listbox");
175     var result;
176     // Returns the value of the selected item in the listbox by going to the index in
177     // the listbox and calling .value
178     for(var i =0; i < options.length; i++)
179     {
180         result = options.options[i].value;
181         // Split the details by using the # as a delimiter
182         var landDetails = result.split('#');
183         //Disable any properties that ARE sold or sale agreed
184         if(landDetails[4] != 0)
185         {
186             options[i].hidden = true;
187         }
188         //Disable filterNotSold button
189         document.getElementById("filterNotSold").disabled = true;
190         document.getElementById("filterSold").disabled = false;
191 }
```

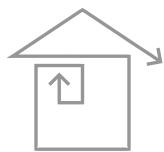


## view\_land.php

```
1  <!-- Name: Mark Lambert, Student ID: C00192497, Purpose: AmendView.php 12/2/2025
-->
2  <?php
3      session_start();
4      include '../db.inc.php';
5      date_default_timezone_set('UTC');
6
7      // $property_type = $_POST['property_type'];
8      $adrs = $_POST['adrs'] . " " . $_POST['adrs2'] . " " . $_POST['adrs3'];
9      $eircode = $_POST['eircode'];
10     $location = $_POST['location'];
11     // $status = $_POST['status'];
12     $owner = $_POST['owner'];
13     $price = $_POST['price'];
14     $viewing_times = $_POST['viewing_times'];
15
16     // Land-Specific Details
17     $acres = $_POST['acres'];
18     $buildings = $_POST['buildings'];
19     $details = $_POST['details'];
20     $quotas = $_POST['quotas'];
21     $notes = $_POST['notes'];
22     $ownerName = $_POST['ownerName'];
23
24     // INSERT statement for the Property table
25     $propSQL = "UPDATE Property SET address = '$adrs',
26                 eircode = '$eircode',
27                 location = '$location',
28                 asking_price = $price,
29                 viewing_times = '$viewing_times' WHERE property_id = $_POST
[property_id];"
30
31     $landSQL = "UPDATE Land SET acres = $acres,
32                 buildings = '$buildings',
33                 residence_details = '$details',
34                 quotas = $quotas,
35                 notes = '$notes' WHERE land_id = $_POST[id];"
36
37     // Note, client_ID =
38     $clientSQL = "UPDATE Client SET name = '$ownerName' WHERE client_ID = "
39     {$_POST['owner']}";
40
41     // If there's a problem with the query
42     if(!mysqli_query($con, $propSQL))
43     {
44         die("There was an error with your Property Query: " . mysqli_error($con));
45     }
46     // Otherwise
47     else
48     {
49         // So long as AT LEAST 1 row was affected, we will execute the update
50         if(mysqli_affected_rows($con) !=0)
51         {
52             // Set the property_id session variable upon success
53             $_SESSION['property_id'] = $_POST['property_id'];
54         }
55     }
56
57     // If there's a problem with the query for LAND
58     if(!mysqli_query($con, $landSQL))
59     {
60         die("There was an error with your Land Property Query: " . mysqli_error($con
));
61     }
62     // Otherwise
63     else{
64         // So long as AT LEAST 1 row was affected, we will execute the update
65         if(mysqli_affected_rows($con) !=0)
66         {
67             // Set the eircode session variable upon success
68             $_SESSION['eircode'] = $_POST['eircode'];
```

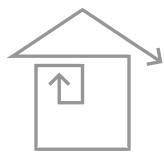


```
69         }
70     }
71
72     // If there's a problem with the query for CLIENT
73     if(!mysqli_query($con, $clientSQL))
74     {
75         die("There was an error with your Client Query: " . mysqli_error($con));
76     }
77     // Otherwise
78     else{
79         // So long as AT LEAST 1 row was affected, we will execute the update
80         if(mysqli_affected_rows($con) !=0)
81         {
82             //Set the client session var to 1, to use as a signifier that the client
83             //was updated also
84             //$_SESSION['client'] = 1;
85             //Set the eircode session variable upon success
86             $_SESSION['eircode'] = $_POST['eircode'];
87         }
88     }
89
90     header('Location: view_land.html.php');
91     mysqli_close($con);
92
93 ?>
94
95
```



## view\_land\_listbox.php

```
1  <!-- Name: Mark Lambert, Student ID: C00192497, Purpose: listbox.php 12/2/2025 -->
2  <?php
3  // Include php script that connects to the db
4  include "../db.inc.php";
5  date_default_timezone_set('UTC');
6  // Prepare the statement for the SELECT query on LAND which INNER JOINS with the
7  // PROPERTY table where their property id's are equal respectively
8  //This gives us ALL info from the Land, Property and Client table by using two inner
9  // joins, one from Property on Land, then from Client on Property
10 $sql = "SELECT Land.*, Property.*, Client.client_ID, Client.name FROM Land INNER
11 JOIN Property ON Land.property_id = Property.property_id INNER JOIN Client ON
12 Client.client_id = Property.owner WHERE Land.delete_flag= 0";
13
14 // Error handling, if a problem with the query, print a relevant message
15 if ( !$result = mysqli_query($con, $sql) )
16 {
17     // Die kills rest of script
18     die('Error in querying the database' . mysqli_error($con));
19 }
20
21
22 // Creates a dropdown list (<select>) with a id listbox, when the user clicks the
23 // dropdown the function populate() when a user is clicked
24 echo "<br><select name = 'listbox' id = 'listbox' onclick = 'populate()'
25 required>";
26 // populate(), populates the forms inputboxes with further information from the
27 // db about the person
28
29 //Adds a hidden option to the listbox, which is hidden and disabled so that the
30 //user can't accidentally add this to the D/B
31 //Purpose is to have a default selected value that displays a message asking user
32 // to select from the listbox
33 echo "<option value ='none' selected disabled hidden selected>Select a Land
34 Property</option>";
35 // Iterate through the result set
36 while($row = mysqli_fetch_array($result))
37 {
38     // Property values
39     $type = $row['type'];
40     $address = $row['address'];
41     $eircode = $row['eircode'];
42     $location = $row['location'];
43     $status = $row['status'];
44     $owner = $row['owner'];
45     $highest_bid = $row['highest_bid'];
46     $asking_price = $row['asking_price'];
47     $viewing_times = $row['viewing_times'];
48     $property_id = $row['property_id'];
49     // Then Land
50     $id = $row['land_id'];
51     $acres = $row['acres'];
52     $buildings = $row['buildings'];
53     $residence_details = $row['residence_details'];
54     $quotas = $row['quotas'];
55     $notes = $row['notes'];
56     $ownerName = $row['name'];
57     //Assign allText all of the values, separated by the delim '#'
58     $allText = "$type#$address#$eircode#$location#$status#$owner#$highest_bid#
59     $asking_price#$viewing_times#$property_id#$id#$acres#$ownerName#$buildings#
60     $residence_details#$quotas#$notes#";
61     // Assigns each field in the listbox with the values and displays each entry
62     // via their eircode
63     echo "<option value = '$allText'>$eircode ($address)</option>";
64 }
65
66 // End the select (listbox)
67 echo "</select>";
68 // Close connection
69 mysqli_close($con);
70
71 ?>
```



# Land Property Report

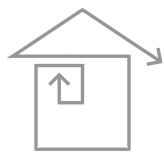
## HTML Screenshot

**EstateFlow**

### Land Reports

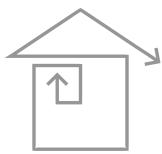
[Order by Price](#) [Order by Acreage](#) [Owner Information](#)

|                       | Property Number | Address  | No. of Acres | Quotas | Residence Details                                   | Status      | Highest Bid | Asking Price |
|-----------------------|-----------------|--|--------------|--------|---|-------------|-------------|--------------|
| <input type="radio"/> | 1               | Carlow St, Carlow                              | 2500.00      | 50     | 4 bedroom period residence in need of repair        | Sale Agreed | 56000.00    | 67000.00     |
| <input type="radio"/> | 12              | Seaside Road, Cork                             | 3500.00      | 100    | 2-bedroom coastal cottage with private beach access | For Sale    | 0.00        | 200000.00    |
| <input type="radio"/> | 38              | The Ridge Enniscorthy Wexford                  | 1199.00      | 134    | 2-bedroom vernacular cottage                        | For Sale    | 45000.00    | 320007.00    |
| <input type="radio"/> | 115             | Palmgrove Lodge Dromneavane Kenmare, Co. Kerry | 22540.00     | 230000 | Large farm-house                                    | For Sale    | 0.00        | 450000.00    |
| <input type="radio"/> | 111             | Slane Castle Slane Meath                       | 5500.00      | 1000   | The castle  | For Sale    | 0.00        | 550000.00    |
| <input type="radio"/> | 35              | Greenhill Farm Ballyragget County Kilkenny     | 1800.00      | 42     | 3-bedroom farmhouse with modern kitchen extension   | For Sale    | 0.00        | 650000.00    |



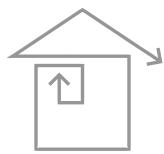
## reports.html.php

```
1  <!-- Estate Flow - Reports Page -->
2  <!-- Name: Mark Lambert
3  Student ID: C00192497
4  Purpose: Land Report Page
5  Date: March 2025
6  Estate Flow Y2 Project 2025-->
7  <!DOCTYPE html>
8  <html lang="en">
9
10 <head>
11   <!-- Sets title -->
12   <title>EstateFlow - Land Reports</title>
13   <meta charset="UTF-8">
14   <link rel="stylesheet" href="../menu.css">
15   <link rel="stylesheet" href="land.css">
16   <link rel="stylesheet" href="land_report.css">
17   <link rel="icon" type="image/x-icon" href="../images/icon.png">
18 </head>
19
20 <body>
21
22   <!-- Fixed Top Bar displaying the page title -->
23   <div class="topBar">EstateFlow</div>
24
25   <!-- Sidebar Navigation Menu -->
26   <div class="sidebar" id="mySidebar">
27     <!-- Logo Section inside Sidebar -->
28     <div class="logo">
29       <a href = "../menu.html"></a>
30     </div>
31     <!-- Navigation Links -->
32     <a class ="button" href="../construction/residential_report.html">Residential Property Report</a>
33     <a class ="button" href="land_report.html.php">Land Property Report</a>
34     <a class ="button" href="../construction/office_report.html">Office Property Report</a>
35     <a class ="button" href="../Darius/bid_report.html">Bid Report</a>
36     <a class ="button" href="../construction/client_report.html">Client Report</a>
37     <a class ="button" href="../construction/individual_report.html">Individual Client Report</a>
38     <a class ="button" href="../construction/sales_report.html">Sales Report</a>
39     <br>
40     <a class ="button" id="exit" href="../menu.html">Exit</a>
41   </div>
```

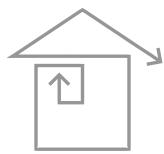


## land\_report.html.php

```
1  <!-- Estate Flow - Land Report Page -->
2  <!-- Name: Mark Lambert
3  Student ID: C00192497
4  Purpose: Land Report Page
5  Date: March 2025
6  Estate Flow Y2 Project 2025-->
7  <!DOCTYPE html>
8
9  <html lang="en">
10
11     <head>
12         <!-- Sets title -->
13         <title>EstateFlow - Land Reports</title>
14         <meta charset="UTF-8">
15         <link rel="stylesheet" href="../menu.css">
16         <link rel="stylesheet" href="land.css">
17         <link rel="stylesheet" href="land_report.css">
18         <link rel="icon" type="image/x-icon" href="../images/icon.png">
19     </head>
20
21 <body>
22
23     <?php
24         include '../db.inc.php';
25     ?>
26
27     <!-- Fixed Top Bar displaying the page title -->
28     <div class="topBar">EstateFlow</div>
29
30     <!-- Sidebar Navigation Menu -->
31     <div class="sidebar" id="mySidebar">
32         <!-- Logo Section inside Sidebar -->
33         <div class="logo">
34             <a href = "../menu.html"></a>
35         </div>
36         <!-- Navigation Links -->
37         <a class ="button" href="../construction/residential_report.html">Residential Property Report</a>
38         <a class ="button selected" href="land_report.html.php">Land Property Report</a>
39         <a class ="button" href="../construction/office_report.html">Office Property Report</a>
40         <a class ="button" href="../Darius/bid_report.html">Bid Report</a>
41         <a class ="button" href="../construction/client_report.html">Client Report</a>
42         <a class ="button" href="../construction/individual_report.html">Individual Client Report</a>
43         <a class ="button" href="../construction/sales_report.html">Sales Report</a>
44         <a class ="button" id="exit" href="../menu.html">Return to Menu</a>
45     </div>
46
47     <!-- Begin form, note, action loops back to current form, set to hidden -->
48     <form action = "land_report.html.php" method = "post" name = "reportForm" hidden>
49         <!-- Hidden input w/ name choice, used for determining which filter is active -->
50         <input type = "hidden" name = "choice">
51     </form>
52
53         <!-- Begin clientForm, note, action loops back to current form, set to hidden so doesn't interfere with interface -->
54         <form action = "land_report.html.php" method = "post" name = "clientForm" hidden>
55             <!-- Hidden input w/ name choice, used for determining which filter is active -->
56             <input type = "hidden" name = "clientInfo">
57         </form>
58
59         <!-- Main Content Area -->
60         <div class="content">
61
62             <!-- Div for styling report -->
63             <div class = "report">
64                 <h1>Land Reports</h1>
```



```
65      <!-- Div for styling buttons -->
66      <div class = "myButton">
67          <!-- Button to filter by PRICE -->
68          <input type = "button" id = "priceButton" value = "Order by Price" onclick
69              = "priceOrder()" title="Click here to see the Land table in Ascending
70                  Price order">
71          <!-- Button to filter by ACRES -->
72          <input type = "button" id = "acreButton" value = "Order by Acreage"
73              onclick = "acreOrder()" title="Click here to see the Land table in
74                  Ascending Acreage order">
75          <!-- Button, initially disabled, to get info on a client who owns a
76              property -->
77          <input type = "button" id = "clientButton" value = "Owner Information"
78              onclick = "clientInformation()" title="Click here to see the information
79                  on a Client who owns a selected Land Property" disabled>
80      </div>
81      <br><br>
82
83      <!-- Begin javascript for filtering and client info buttons -->
84      <script>
85          //Super variable to track if the radio button has been clicked
86          var client = null;
87          // Function acreOrder, sets the buttons value to acre and submits the
88          // form that the button is in, therin applying the filter
89          function acreOrder()
90          {
91              document.reportForm.choice.value = "Acre";
92              document.reportForm.submit();
93          }
94
95          // Filter by price
96          function priceOrder()
97          {
98              document.reportForm.choice.value = "Price";
99              document.reportForm.submit();
100         }
101
102         //When radio button is clicked, assign the super variable the client
103         //id and enable the button
104         function selectProperty(clientID)
105         {
106             client = clientID;
107             document.getElementById("clientButton").disabled = false;
108         }
109
110     //End Javascript
111     </script>
112
113     <!-- Begin php for default choice-->
114     <?php
115         // Var choice initialised to "Price", as filtering by Price will
116         // serve as the default
117         $choice = "Price";
118
119         // If the filter has been set (the javascript to insert the value
120         // into the choice field has been triggered ie, button has been clicked)
121         // then set out variable to be the value of POSTchoice
122         if(ISSET($_POST['choice']))
123         {
124             $choice = $_POST['choice'];
125         }
126
127         //If the client report form has been submitted, then the user has
128         //clicked the button
```



```
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185

    IF (ISSET($_POST['clientInfo']))
    {
        $sqlClient = "SELECT Client.* FROM Client INNER JOIN Property ON
Property.owner = Client.client_id WHERE client_id = " . $_POST[
'clientInfo'];
        produceClientReport ($con, $sqlClient);
    }

    // Event where Choice = Price
    if ($choice == "Price")
    {
        //End php
    ?>

        <!-- Enable the acre button, so that now the user may only switch
        to filter by acre as Price is active -->
        <script>
            document.getElementById("acreButton").disabled = false;
            document.getElementById("priceButton").disabled = true;
        </script>

        <!-- Begin php for default choice select statement -->
<?php
    // Prepare the SQL statement for execution, produceReport() then
    handles the execution
    $sql = "SELECT * FROM Land INNER JOIN Property ON Land.property_id =
Property.property_id WHERE Land.delete_flag = 0 AND Property.status
!= 2 ORDER BY asking_price ASC";
    produceReport ($con, $sql);
}
// End if for Price

//Event for choice being Acre
if ($choice == "Acre")
{
    //End php
?>

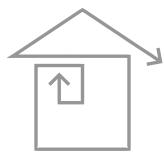
        <!-- Begin script to disable acre button -->
        <script>
            document.getElementById("acreButton").disabled = true;
            document.getElementById("priceButton").disabled = false;
        </script>

        <!-- Begin php for ACRE filter-->
<?php
    //Prepare the statement for execution for filtering by acres
    $sql = "SELECT * FROM Land INNER JOIN Property ON
Land.property_id = Property.property_id WHERE
Land.delete_flag = 0 AND Property.status != 2 ORDER BY
acres ASC";
    produceReport ($con, $sql);

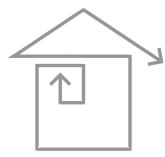
}

// Function produceReport, ehco's out the structure of the report, then
executes SQL and echo's out the results all using CLIENT SIDE RENDERING
function produceReport ($con, $sql)
{
    $result = mysqli_query ($con, $sql);

    echo "<table>
        <tr><th> </th>
        <th>Property Number</th>
        <th>Address</th>
        <th>No. of Acres</th>
        <th>Quotas</th>
        <th>Residence Details</th>
        <th>Status</th>
        <th>Highest Bid</th>
        <th>Asking Price</th></tr>";
}
```

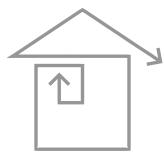


```
186     while($row = mysqli_fetch_array($result))
187     {
188
189         if($row['status'] == 0)
190         {
191             $status = "For Sale";
192         }
193         else if($row['status'] == 1)
194         {
195             $status = "Sale Agreed";
196         }
197         //Echo out a radio button for each property, that when selected
198         //will be used to display client info via the owner field
199         echo"<td><input type='radio' name='property'
200         onclick='selectProperty(" . $row['owner'] . ")'></td>
201         <td>" . $row['property_id'] . "</td>
202         <td>" . $row['address'] . "</td>
203         <td>" . $row['acres'] . "</td>
204         <td>" . $row['quotas'] . "</td>
205         <td>" . $row['residence_details'] . "</td>
206         <td>" . $status . "</td>
207         <td>" . $row['highest_bid'] . "</td>
208         <td>" . $row['asking_price'] . "</td>
209         </tr>";
210     }
211
212
213     //Function to produce a small report on a client when button is clicked
214     function produceClientReport($con, $sql)
215     {
216         $result = mysqli_query($con, $sql);
217
218         if(!$result)
219         {
220             die("Error with your statement" . mysql_error($con));
221         }
222
223         $row = mysqli_fetch_array($result);
224
225         echo "<script>
226         alert('Client Name: " . $row['name'] .
227             "\nEmail: " . $row['email'] .
228             "\nPhone No: " . $row['phone_no'] .
229             "\nAddress: " . $row['address'] .
230             "\nEircode: " . $row['eircode'] .');
231         </script>";
232
233
234     }
235     mysqli_close($con);
236     ?>
237     </div>
238     </div>
239
240     </body>
241     </html>
```



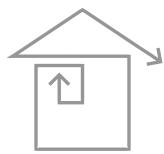
## report.css

```
1  /*Mark Lambert C00192497, Report CSS, EstateFlow Y2 2025 */
2  th, td{
3      text-align: left;
4      padding: 20px;
5  }
6
7  /* Targets all table headings */
8  th{
9      background-color: #05c98b;
10     color: white;
11 }
12
13 /* When hovered over a row, change colour */
14 tr:hover {
15     background-color: #f1f1f1;
16 }
17
18 /* Change colour of data cells */
19 td {
20     color: #555;
21 }
```



## land.css

```
1  /* Estate Flow - add_land style sheet */
2  /*Name; Mark Lambert
3  Student ID: C00192497
4  Purpose: CSS used throughout all LAND property pages
5  Date: February 2025
6  EsateFlow - Project Y2 2025*/
7  form, .report{
8      /* Form width is 70% of the main content area */
9      width: 70%;
10     /* Margin auto = center */
11     margin: auto;
12     border-width: 4px;
13     border-radius: 5px;
14     font-size: large;
15 }
16
17 /*Allow report to be 100% width so information is easier to read*/
18 .report{
19     width: 100%;
20 }
21
22 /* Target form, h1 and fieldset elements and apply a shadow, creating a 3D, stacked,
23 dynamic website feel */
24 form, h1, fieldset{
25     /* Box shadow for blurred effect, 5px horizontal and vertical shadow, 5px blur
26     and a color of black*/
27     box-shadow: 5px 5px 5px 5px rgba(75, 74, 74, 0.103);
28 }
29
30 /* Width of each fieldset is 50% (two fieldsets, both take up half of the form each)
*/
31 fieldset{
32     width: 50%;
33     border-style: solid;
34     /* Set border colour to green */
35     border-color: #05c98b;
36     /* Set fieldset text to green */
37     color: #05c98b;
38     border-radius: 4px;
39     font-weight: bold;
40 }
41 h1{
42     text-align: center;
43     /* Set h1 background = green */
44     background-color:#05c98b;
45     border-radius: 5px;
46     /* Set font colour white */
47     color: white;
48 }
49
50
51
52 /* Add a uniform padding to all relevant elements within form (note .button is for
53 the text within button to make a larger button) */
54 form, h1, .inputbox, .date, .button, .owner-listbox, .view-listbox, .report{
55     padding: 20px;
56 }
57
58 /* Changes apperance of all input fields for elements with class inputbox and
59 owner-listbox */
60 .inputbox input, select{
61     border-style: solid;
62     border-radius: 4px;
63     /* Removes the bold outline from textbox when cursor is focused to element */
64     outline: none;
65     /* Set width of each inputbox to be 70% of the fieldset */
66     width: 90%;
67     height: 40px;
68     font-size: large;
69 }
```



```
69 .myButton{
70     text-align: center;
71     padding: 20px;
72 }
73
74 /* Alters appearance of all button elements */
75 .myButton input{
76     /* Button background colour to green */
77     background-color:#05c98b;
78     /* Text color to white */
79     color: white;
80     font-size: large;
81     border-style: none;
82     border-radius: 5px;
83 }
84
85 /* Changes background colour to LIGHT GREY when hovered over button */
86 .myButton input:hover{
87     background-color:rgba(13, 53, 48, 0.637);
88 }
89
90 /* Makes all contents within the form flex items and adds a space evenly between all
91 items*/
92 .formContainer{
93     display: flex;
94     justify-content: space-evenly;
95 }
96
97 /* Change disabled buttons to greyed out colour */
98 .myButton input:disabled{
99     background-color:rgba(13, 53, 48, 0.301);
100 }
101 /* Style all listboxes*/
102 .owner-listbox, .view-listbox{
103     text-align: center;
104     margin: 0 auto; /* Center horizontally */
105     width: 50%;
106     padding: 0px; /*Reduce Padding produced by h2*/
107 }
108
109 /* Sets label text colour to black*/
110 .inputbox label{
111     color:black;
112 }
113
114 /* Sets the asterisk to a bold red for all required fields*/
115 .required {
116     color: red;
117     font-weight: bold;
118 }
```